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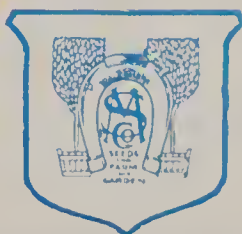
Garden Book



No. 47a—COSMOS, Sensation Pinkie. Immense blooms of a delightful rose pink, borne on long stiff stems, blooms in ten weeks from seedling 3 to 4 feet high. Ideal for cut flower use. Pkt. 15c., 2 for 25c., postpaid. For details see page 28.

MEYER SEEDS

28th Edition
1938



GOLDEN GODDESS GLADIOLUS (Patented U. S. Plant Patent No. 77). This is a ten year ahead yellow. For detailed description see page 39.

The MEYER SEED CO. 34-36 LIGHT ST. BALTIMORE • MD.
Tel. Plaza 6170-6171



For a beautiful lawn, try **M.-S. LAWN AND PLANT FOOD**

M.-S. LAWN GRASSES

BACKED BY MANY YEARS OF REPUTATION

M.-S. ROLAND PARK LAWN GRASS. Is made from our own formula and composed of grasses and clover which are adapted for producing lawns which retain their rich green color and velvety appearance throughout the entire Summer and Fall. For making a new lawn, 75-100 lbs. per acre is required, or for renovating old lawns, 40-50 lbs. per acre. For a plot 10x20 or 200 sq. ft., 1 lb. is required for a new lawn, or about $\frac{1}{2}$ lb. for renovating. Lb. **30c.**, 3 lbs. **85c.**, 5 lbs. **\$1.30**, 10 lbs. **\$2.50**, bushel of 30 lbs. **\$7.00**.

M.-S. SHADY NOOK GRASS. The grasses used in making this special mixture are only those that are well adapted for growing in shade. Lb. **35c.**, 3 lbs. **\$1.00**, 5 lbs. **\$1.60**, 10 lbs. **\$3.00**, bushel of 30 lbs. **\$8.25**.

M.-S. TERRACE MIXTURE. There is nothing more annoying than to have ground washed out. In this mixture we have put quick growing and deep rooted grasses. Of course, it depends a great deal on this being well started before very heavy rains. Lb. **30c.**, 3 lbs. **85c.**, 5 lbs. **\$1.30**, 10 lbs. **\$2.50**, bushel of 30 lbs. **\$7.00**.

GUILFORD GARDEN CLUB MIXTURE. This special mixture is composed of fine bladed grasses and white clover and is used extensively in the Guilford, Homeland and Roland Park sections of Baltimore. 1 lb. **50c.**, 5 lbs. **\$2.25**, 10 lbs. **\$4.00**, bus. of 30 lbs. **\$11.25**.

M.-S. SEASHORE LAWN GRASS. Is all that its name implies. Highly recommended for Water Front properties. Lb. **50c.**, 5 lbs. **\$2.25**, 10 lbs. **\$4.00**, bus. of 30 lbs. **\$11.25**.

M.-S. BENT GRASS, LAWN AND PUTTING GREEN MIXTURE (Cloverless). There is a steady demand for a reliable mixture of grass seeds from those who have found Bent greens more liable to fungus attacks than greens composed of mixed grasses, and it is to meet this demand that our mixture is prepared. Our Putting Green Mixture contains a liberal quantity of German Bent in combination with the finest grades of Kentucky Blue Grass and Fancy Red Top, and will give fine satisfaction on greens or lawn. Sow 8 to 10 lbs. to 1000 sq. ft. Lb. **50c.**, 5 lbs. **\$2.25**, 10 lbs. **\$4.00**, bus. of 30 lbs. **\$11.25**.

Special prices on Grasses in larger quantities on application. If wanted by Parcel Post, add as to Zones. For other grasses see page 23.

M.-S. LAWN and PLANT FOOD

6% Nitrogen

6% Phosphoric Acid

5% Potash

Plants will grow better, Flowers bloom more profusely, Lawns be more thrifty with a healthier green color and Vegetables be earlier and more tender if you feed them **M-S Lawn and Plant Food**.

In offering **M-S Lawn and Plant Food** to our customers we do so without fear of contradiction that they get more for their money than in any other plant food on the market today.

Your plants are living things and must have food. The extent of their growth depends on food within reach of their root system. Most soils are deficient in Nitrogen, Phosphate and Potash, prin-

cipally because of the continual planting of gardens, flowers, etc., in the same location year after year. **M-S Lawn and Plant Food** supplies these necessary food elements.

M-S Lawn and Plant Food also contains inorganic plant food materials that are readily soluble and properly balanced so as to give an early start and forcing development of early maturing plants, thus adding crispness to vegetables, color and size to flowers, and that

beautiful green to lawns. So, by putting on a liberal application in the Spring, the food will be solvent when the plants are able and ready to consume it.

Prices: 5 lbs. 30c.; 10 lbs. 55c.; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 1000 lbs. \$25.00; ton, \$48.00.
Delivered in Baltimore and Surroundings

A COMPLETE ORGANIC Plant Food and Soil Enricher for Lawns, Flowers, Vegetables, Shrubs, Trees, etc.

LANDSCAPING AND NURSERY STOCK. We are in a position to furnish you with the choicest nursery stock and also to take charge of your entire landscaping plans, including planting.

LAWN BUILDING. We will be very glad to build you a new lawn or to rebuild your present one. Questions cheerfully answered and estimates gladly given. No obligation! Try us.

LAWN MOWER REPAIRING—Hand and Power. We have equipped an up-to-date shop for this work, superintended by experts, and we will call for and deliver work on short notice.

1938 Vegetable Specialties



RUTGERS MAIN CROP TOMATO



THE COLORADO CUCUMBER

The Colorado Cucumber

The finest slicing Cucumber. A recent introduction which received All-America award distinction for 1935. A beautiful, long, slender, dark green Cucumber commanding a premium on the critical market. It has become exceedingly popular because of its excellent shape and its intense dark green color, which it maintains longer than any other variety. The fruit is inclined to taper, especially at the stem end. It is a vigorous, productive variety, highly resistant to unfavorable growing conditions. The seeds form late in the season, thus the seed yields are not heavy. Pkt. **10c.**, oz. **20c.**, $\frac{1}{4}$ lb. **60c.**, 1 lb. **\$2.00.**

Rutgers Main Crop Tomato (CERTIFIED)

The Rutgers Tomato was developed and introduced by Lyman G. Schermerhorn of the New Jersey Agricultural Experiment Station. The fruits are medium to large, similar in shape to Marglobe but larger, except that it is more flattened at the stem end. It has thick outer and inner walls, with very small seed cavities, producing very few seeds. The flesh is firm and red. The ripening begins at the center so that when the fruits are red on the outside they are well colored throughout. It ripens about the same time as Marglobe and is about the same size. It is adapted for canning, market and home garden and is particularly suited for the manufacture of a fine flavored, highly colored juice. Pkt. **10c.**, oz. **40c.**, $\frac{1}{4}$ lb. **\$1.25**, lb. **\$4.00.**

Golden Cross Bantam (HYBRID SWEET CORN)

A cross of two inbred Bantams developed at the Purdue Experiment Station. Four to eight days later than Golden Bantam. The ears are about 8 in. long with 10 to 14 rows of delicious golden yellow kernels. It is resistant to Stewarts Wilt disease and will yield about twice as much as regular strains of Golden Bantam. The stalks are sturdy, growing 6 to 6 $\frac{1}{2}$ ft. high, with exceptionally broad, vigorous leaves. This hybrid is extremely uniform in plant and ear characteristics and in maturity; 88 days from planting to eating stage. A grand acquisition in Yellow Sugar Corn. Pkt. **10c.**, $\frac{1}{2}$ pt. **25c.**, 1 pt. **50c.**, qt. **90c.**, peck **\$4.00.**



GOLDEN CROSS BANTAM CORN

**WE PAY POSTAGE
ON ALL SEEDS
ON THIS PAGE**

VEGETABLE SEEDS

**ALL PRICES ARE
SUBJECT TO CHANGE
WITHOUT NOTICE**

NON-WARRANTY. We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs, or Plants we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned

ASPARAGUS—Seeds and Roots

(Roots Ready after March 1st)

1 ounce to 40 feet of drill, 5 pounds per acre.
7,300 Asparagus Plants are needed to plant an acre

Culture—Sow the seed as early in Spring as the soil can be worked, in drills 1 ft. apart, and when well started, thin out to 3 in. apart. When 1 to 2 years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of 1½ ft. Set the plants in rows 3 ft. apart, and not less than 1½ ft. apart in the row. Care should be taken that the roots are well spread, and set at a depth of 6 in. below the level of the bed. Cover only 2 or 3 in., and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every Fall after the tops have been cut down, apply a dressing of coarse manure, and in the Spring, fork it in. An occasional top dressing of salt at the rate of one-half pound per square yard is also beneficial.

If seed is planted, it will take at least 3 years to obtain the first cutting, and then only a small one the first year. While, if 2-year-old roots are planted, the same result will be obtained in one full year. Asparagus beds if well cared for are good from 12 to 15 years from first cutting.

Mary Washington. This Asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rustfree. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green, tinted darker at the tips. It is an early heavy yielder of exceptionally fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

TWO-YEAR-OLD ASPARAGUS PLANTS

See page 22



MARY WASHINGTON

ARTICHOKES

Culture—Sow seed in hotbed in February or March, in rows 6 in. apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 ft. apart, 2 to 3 ft. apart in row, care being taken to press firmly in the ground, but do not plant too deep.

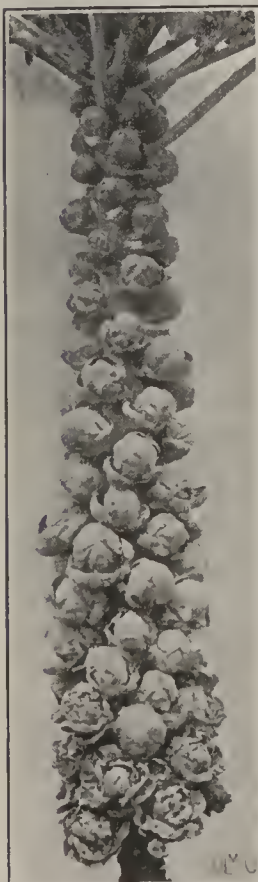
Large Green Globe. This is a very delicious vegetable. Some prefer it cooked like Asparagus—that is, take the flower head before it begins to open and cook much the same as Asparagus. Pkt. 10c., oz. 50c., ¼ lb. \$1.40, lb. \$5.00.

ARTICHOKE ROOTS (Jerusalem)—See page 22.

BRUSSELS SPROUTS

A species of the Cabbage family which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as Cauliflower. Sow seed about the middle of May, in a seed bed, and the plants afterwards set in rows 2 ft. or more apart and cultivated like Cabbage. 100 days. **Improved Dwarf.** Produces compact sprouts of finest quality; a good keeper. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

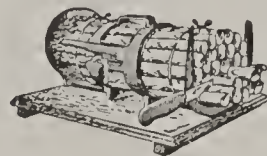
FOR PLANTS—See page 22.



BRUSSELS SPROUTS
IMPROVED DWARF

ACCESSORIES FOR ASPARAGUS CULTURE

Asparagus Buncher. Even where one has a limited amount of Asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With knife guard \$3.50; parcel post wt. 8 lbs.



Asparagus Knife. V-shaped blade 35c.; parcel post wt. 1 lb.

Asparagus Salt. Applied in the Spring, 600 to 800 lbs. per acre. For destroying weeds. 10 lbs. 25c., 50 lbs. \$1.00, 100 lbs. \$1.50, 200 lbs. \$2.50.

Raffia. The ideal material for tying Asparagus. In hanks, lb. 30c. (hank runs about 1 lb.), 25 lbs. or more at 25c. per lb.

Jute Twine. Very soft and pliable. Ball 15c., postpaid 20c. Special price in quantities on application.

Red Tape for tying Asparagus. No. 17-677, 1000 yds. \$1.50, postpaid \$1.60.

Prices Subject to Change

BROCCOLI 1 ounce of seed to 200 feet of row

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

BROCCOLI— CALABRESE—

This variety is the Broccoli which is served in the first class restaurants and hotels and is becoming popular on the family table. It is cooked and served like Cauliflower; it has a delicious flavor and is highly praised by epicures.

Culture—Sow seed in open ground first of April. Set plants out May 15 to June like late Cabbage. 90 days.

Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.75.

CALABRESE PLANTS. See page 22.



BROCCOLI CALABRESE

SPROUTING BROCCOLI, or ITALIAN SALAD. 100 days.

Culture—Sow about middle of August in rows 32 in. apart, well fertilized, using 2 lbs. of seed to the acre, covering the seed ½ in. Cultivate twice before freezing weather. In cold weather tops will die down. As soon as it begins to get a little warm in February, put on a top dressing of nitrate of soda or some quick acting fertilizer. Cultivate after top dressing is put on. About the middle of March it will commence to stalk up with several shoots per stalk, with green blossoms. When stalks are about 8 in. high cutting may commence. Tie in bunches like Asparagus, with 1 to 1½ lbs. in a bunch. Ship in crates, 2 dozen bunches per crate. Cutting will commence around the middle of March and continue until around the 10th of April. If weather is warm may cut 2 to 3 times each week. After cutting is over the same land may be used for any desired crop. Leaves may be cut and shipped to Northern markets, commanding a fair price. Served like Asparagus or Greens, it makes a delicious and wholesome dish. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

VEGETABLES YOUR BEST FOOD

Our health depends a great deal on what we eat. The average American meal consists of acid forming food and so refined that the best elements are lost and therefore detrimental. Vegetables are your best food; eat more of them.



FULL MEASURE BEANS

POLE LIMA BEANS

Culture—These require pole 8 to 10 ft. long. The Beans should be planted in May if the season is suitable. Set poles 4 feet apart each way, and plant 4 to 6 beans, about 1 inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in pots in frames and transplanted. 1 quart to 100 poles. About 90 days.

Carpinteria. Bears an abundance of large pods filled with plump, thin-skinned, tender, fine flavored beans. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Early Leviathan. The earliest large Pole Lima; very productive. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

King of the Garden. Vigorous grower, bearing large pods, 5 to 8 in. long. Beans large and of rich flavor. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Sleva or Small White Lima (Butter Bean). Early and productive, a great drought resister, smaller than regular Limas, but juicy and of fine flavor. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

M.-S. Giant Podded. Is the largest of all Pole Limas. The pods measure from 7 to $8\frac{1}{4}$ in. in length with a width of $1\frac{1}{2}$ to nearly 2 in. The beans are extra large. They are invariably of superb flavor. The vines easily attain a height of from 10 to 12 ft. The pods are produced in clusters of from 4 to 8 until killed by frost. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

Dreer's Improved Challenger or Potato Lima. Beans round and thick, of delicious flavor, easy to shell, immense cropper. Pkt. 10c., pt. 30c., qt. 55c., $\frac{1}{2}$ peck \$2.00, peck \$3.50.

BEANS

Legume Aid. The best inoculation for Beans, see page 24

BUSH BEANS—Green Podded

About 45 days

If Beans are to be sent by parcel post, add 8c. to pt., 10c. to qt., 16c. to $\frac{1}{2}$ peck, 25c. to peck, 77c. to bus.; packet sent postpaid.

Culture—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about 3 in. apart in drills 2 ft. apart, and covered about 2 in. deep. Successive sowings made at intervals of about 2 weeks until August 15, will give a plentiful supply of Beans all season. 1 qt. of seed will sow 100 feet of drill; 2 bus. will sow an acre. **We furnish 10c. packages of all Beans.**

Burpee's Stringless Green Pod. An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

M.-S. Giant Stringless Green Pod Beans. Of finest quality, large, handsome pods, some of which measure fully 6 in. in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Bountiful. Easily the earliest and most productive flat, green-podded, stringless Bush Bean in cultivation today. Under favorable conditions of soil and season this variety has been known to bear 1 bus. of pods per 15-ft. row, in the course of the season. The pods average 6 in. long by $\frac{3}{4}$ in. wide, are thick through, of pleasing light green color, very brittle and absolutely stringless at all stages of development. Bountiful tastes as good as it looks. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Early Red Valentine. One of the most popular early snap Beans with round, fleshy pods about 5 in. in length; very brittle, tender and of fine quality. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Full Measure. A recent introduction. Heavy, light green foliage. Very prolific. Pods $5\frac{1}{2}$ to 6 in. long, stringless, round, slightly curved; very good quality. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Asgrow Valentine. This new introduction is typically Black Valentine, has all the sturdy characteristics which popularized Black Valentine as a producer and shipper—has long, practically straight, oval pods of good color and texture and is completely stringless. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Black Valentine. Round pod, like the above, with the exception of difference in pods. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

New Stringless Green Pod. Also called **Tendergreen.** An outstanding, green-podded Bush Bean of highest quality. Splendid for home and market use as well as for canning. Plants are large, erect, prolific, with large, dark green leaves. Fifty-one days from planting to eating stage; rather concentrated season in pod development. Pods are $5\frac{1}{2}$ to $6\frac{1}{2}$ in. long, nearly straight, round, absolutely stringless and fiberless, fleshy, smooth and very attractive. Dry seed is brownish black, mottled with light fawn. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Dwarf Horticultural, or Cherry. This is a broad, long, flat, meaty Bean; very productive, of delicious flavor; absolutely stringless. It also makes a good dried Bean for Winter. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.75. 55 days.

Use
Legume Aid
Inoculation
on
all
Beans
See page 22

SHELL BEANS—For Winter Use

60 days

White Navy, or Boston Pea Beans. Yields large quantities of white Shell Beans which are used for baking. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.25.

White Marrowfat. Planted almost exclusively for Winter use, making large white, kidney shaped Beans. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Red Kidney Beans. Bearing 6 to 7 in. long, flat pods, containing 5 to 6 red kidney shaped beans. Used almost exclusively for baking and soup. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

BUSH BEANS—Yellow or Wax Podded—48 days

M.-S. SURE CROP STRINGLESS WAX. This is a grand Bean. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Bountiful Wax. Handsome, long, flat yellow pods, profuse bearer. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Currie's Rust-proof Black Wax. Valuable for general use, being early, hardy, and a heavy yielder. Extra long, flat pods of fine color and not apt to rust. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Improved Golden Wax. Small plants of erect growth, bearing flat, thick pods about 5 in. in length and of excellent quality. An early and reliable variety; recommended for home use. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.50, peck \$2.50.

Webber Wax. Short vines, the 6 in. pods are flat, straight, stringless, deep yellow. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

Round Pod Kidney Wax. 15 vines, the pods are 5 in. long, round, slightly curved, stringless and deep yellow. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.85, peck \$3.50.

PRICES ON BUSHEL LOTS ON REQUEST



A Reproduction of a Field of Fordhook Bush Lima Beans Growing on the Eastern Shore of Maryland.

BUSH LIMA BEANS

Culture—1 qt. to 100 ft. of drill. Seed 2 in. apart or plant in rows 2 ft. apart and make hills 1 ft. apart in the rows. About 75 days.

Fordhook Bush Lima. Large, round, thick, green and of delicious flavor, bearing in clusters of from 4 to 8 averaging 4 large beans to the pod. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

M.-S. Enormous Bush Lima Beans. As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

Burpee's Improved Bush Lima. Bears an abundance of thick, kidney shaped beans. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.75, peck \$3.00.

Burpee's Bush Lima. Pods abundantly and well filled with handsome flat beans. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Henderson's Dwarf Lima. Popular baby Lima; their flavor is excellent. Pkt. 10c., pt. 25c., qt. 45c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

ENGLISH, or BROAD WINDSOR BEANS

Culture—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy.

Pkt. 10c., pt. 30c., qt. 50c.

We furnish 10c. packages of all Beans. For postage rates see page 4. Prices on bushel lots on request.

COW BEETS (MANGEL-WURZEL)

Culture—Sow in April and May in thoroughly plowed, well manured soil, in drills 2 in. deep and about 18 in. apart. Thin out to 12 in. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel. 100 days.

Golden Tankard. The best long yellow Mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. \$2.00.

POLE STRING BEANS

(GREEN AND WAX POD)

Culture—Same as Pole Lima. 70 days.

M.-S. Golden Cluster Wax. Deep yellow flat pods, often 8 in. long. Heavy yielder, bearing in large clusters. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

M.-S. Kentucky Wonder Wax. Same as the above Kentucky Wonder with exception of beautiful yellow pods. Pkt. 10c., pt. 30c., qt. 50c., $\frac{1}{2}$ peck \$1.50, peck \$2.75.

Kentucky Wonder, or Old Homestead. The most popular of the Pole varieties, and it should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle backed, green in color and stringless. Seed light brown. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Lazy Wife, or White Cherry. Pods 6 to 8 in. long, entirely stringless, of a rich, buttery flavor when cooked as a snap Bean; also a good white shell Bean for Winter. One of the very finest flavored. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Horticultural, or Pole Cherry. Pods green, dashed with red when beans are matured. Very showy. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Yard Long, or Snake Beans. This is an ornamental as well as useful pole Bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from 2 to 3 ft. long, which when cooked make a delicious dish. Seeds very small. Pkt. 10c., oz. 25c.

Used for feeding cattle.

Sow 5 pounds per acre

Jumbo Mangel. Immense, long, red, very fine quality. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. \$2.00.

Gate Post Mangel. Large, yellow, excellent sort. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. \$2.00.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red Mangel and very valuable for stock feeding. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lb. \$2.00.

BEETS—TABLE

1 ounce of seed sows 60 feet of drill, 5 pounds will sow an acre in drills

Culture—The soil best suited to the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early sow in hotbeds and transplant, but for main crop sow in the Spring as soon as ground becomes fit to work, in drills 18 in. apart and 1 in. deep. For winter use sow as late as July. When the plants have attained 3 or 4 in. in height thin out so that they stand 5 to 6 in. apart. Keep free from weeds. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw and earth covering is put on insures their keeping over Winter. Be careful not to bruise them in handling. 45 to 50 days.

M.-S. Strain Detroit Dark Red Beet. Like the Detroit Dark Red, but runs more uniform in shape and color; positively the best Beet for truck farmers, as they always bring top notch prices on the wholesale market, or at the packers. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c., 10 lbs. \$6.50, 25 lb. lots at 60c. per lb.

M.-S. PERFECTION DETROIT DARK RED BEET. The ideal Beet for market gardeners, it is the darkest red and most uniform Beet ever introduced. It has just the right size top for bunching and will run better than 99 per cent, extremely dark red in color without visible zones. Pt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c., 10 lbs. \$6.50, 25 lb. lots at 60c. per lb.

M.-S. EARLY MARVELOUS BEET. The ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 in. around with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy and always tender and sweet; excellent for canning. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.



M.-S. PERFECTION DETROIT DARK RED BEET



M.-S. EARLY MARVELOUS BEET

Early Wonder. A very early dark red Beet similar to Crosby's Egyptian in shape. Its earliness and deep color make it a favorite with the market gardeners in many sections of the country. It is sweet and tender and a good variety for the home garden. The tap roots are small and the roots are of a desirable shape for bunching. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c., 10 lbs. \$6.50, 25 lb. lots at 60c. per lb.

Extra Early Flat Egyptian. Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

Crosby's Improved Egyptian. Very desirable. Thicker in body than the Egyptian small necked and dark fleshed. Fine for early market. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Extra Early Eclipse. Maturing in an incredibly short time, round shape Beet. Small top, and of excellent table quality. Makes an attractive seller in market. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Crimson Globe. A second early variety, does not grow large and coarse, the matured Beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

Long Smooth Blood. Roots 10 to 15 in. long; grows partly out of ground, deep red of good quality and suited for Winter storage. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

SWISS CHARD or SPINACH BEET

Cultural Directions—Swiss Chard is a Beet grown for its leaves. The midrib when boiled makes delicious greens, or the leaves may be boiled and served as Spinach. Sown in the Spring the leaves are soon ready to eat and will continue to grow all through the Summer and Fall. If given a little protection it will survive the Winter and make excellent greens early in the Spring. 1 oz. will sow 60 ft. of drill. 35 days.

M.-S. Delmonico. This makes large, handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike Asparagus. Absolutely the best for home gardens. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Giant Lucullus. The leaves of Swiss Chard are used as greens cooked in the same manner as Spinach, and the large ribs are prepared like Asparagus, in which manner they are delicious. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Fordhook Giant. Decidedly the best of the Chards. Leaves broad, upright in growth, and very dark green, crumpled or savoyed, with broad, white midrib. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



M.-S. DELMONICO SWISS CHARD

GEORGIA COLLARDS

Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. 80 days. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

CORN SALAD

Culture—Sow in Spring, in drills 1 ft. apart; it will mature in 6 to 8 weeks. For Winter and early Spring use, sow in drills in August and September. 3 ozs. of seed to 100 ft. of drill. Will do well if sown in Spring. Large leaved. 45 days. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

CARDOON

Grown for its stalks which make a delicious vegetable. Pkt. 10c., oz. 50c.

WE PAY POSTAGE ON ALL
BEET SEEDS

CABBAGE

**M.-S. CHOICE
SURE HEADING SEED**

(LONG ISLAND GROWN)

1 ounce will produce about 2,500 plants, $\frac{1}{4}$ pound for transplanting an acre

Culture—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 ft. apart, and 12 to 18 in. apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 ft. apart and 2 ft. in rows. Never plant in the same ground two years in succession.

EARLY POINTED HEAD VARIETIES

About 75 days

Early Jersey Wakefield. The finest oblong-shaped Cabbage in existence. The head is solid, there being very few outside leaves. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Large Charleston Wakefield. Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, matures one week later. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early York. Resembles the Early Wakefield. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Winnigstadt. Resembles Charleston Wakefield. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

EARLY ROUND AND FLATHEAD VARIETIES

About 90 days

M.-S. Golden Acre. This is an extra early strain of Copenhagen Market, maturing about 10 days earlier. It will mature heads in 80 days from time of sowing, measuring 9 in. in diameter, with a uniform weight of 5 lbs. Height of stalk is 2 in. and entire plant consists of 13 leaves allowing close planting. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

COPENHAGEN MARKET. Producing a large, globe-shaped solid head which comes into market along with Charleston Wakefield. Our seed comes direct from the originator, makes few loose leaves, a vigorous grower and excellent keeper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Marion Market. A development from Copenhagen Market but with larger, round, firm heads. Valuable as an early kraut variety. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

New Early. The largest of the early Cabbage. Head roundish flat, remarkably solid. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Flat Dutch. A dwarf growing type, principally used for early Summer. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

SECOND EARLY VARIETIES

About 100 days

Succession. A large, solid, roundish flat-headed sort with few outer leaves. One of the best sorts to follow Large Charleston Wakefield. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Drumhead. A popular sort with market gardeners. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



EARLY JERSEY WAKEFIELD CABBAGE

LATE, OR WINTER VARIETIES

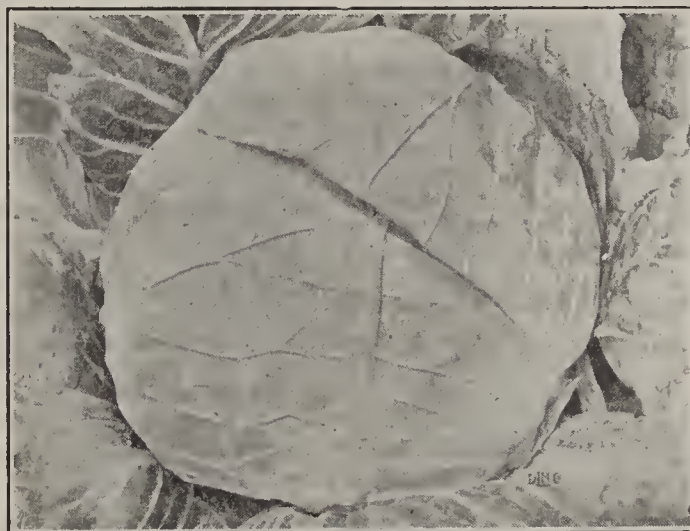
About 110 days

American Drumhead Savoy. A beautifully crimped-leaved sort; color a deep glossy green. The head is almost round. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Red Dutch Drumhead. A red variety, used extensively for its good qualities. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Late Flat Dutch. Improved strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Danish Ballhead. An elegant medium late variety. Round and compact. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.



WISCONSIN YELLOW RESISTANT ALL SEASONS CABBAGE

YELLOWS RESISTANT VARIETIES

Bred and grown in Wisconsin for their wilt and yellows resisting qualities, these varieties will also do better under hot, dry and unfavorable weather conditions.

Jersey Queen. The yellows resistant Jersey Wakefield. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

Marion Market. The yellows resistant Copenhagen Market. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Wisconsin Yellow Resistant All Seasons. A very large head, flat and solid. It is valuable for Summer or Winter use. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

CABBAGE PLANTS. Page 22.

POP CORN

There is hardly a home in the country where during Winter popping of Corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice. Lb. 15c., postpaid 25c.

South American Yellow Giant. Make large white, beautiful puffs. Lb. 15c., postpaid 25c.

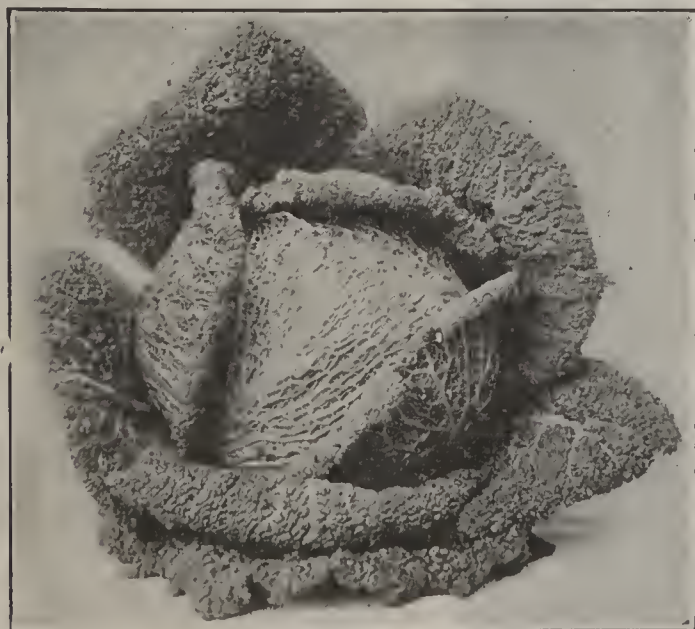


Prices on larger quantities on request

ALL WIRE CORN POPPER ALL STEEL WIRE COVER

25c., postpaid 35c., Capacity 2½ qts., 50c., postpaid 60c.

WE PAY POSTAGE ON ALL CABBAGE SEEDS



AMERICAN DRUMHEAD SAVOY CABBAGE

CARROT

1 ounce to 100 feet of row, 2 or 3 lbs. to acre

Culture—A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed $\frac{1}{2}$ in. deep in rows 15 in. apart, and later thin to 5 in. in the row. Keep soil between the rows well hoed and free from weeds. From July 1 to 15, sow for Winter crops. 65 days.

M.-S. PERFECTION CHANTENAY.

An exceptionally valuable variety for market gardeners. The color is appealing, rich deep orange throughout. Roots are 7 to 8 in. long, tapering slightly. Tops just long enough to bunch well. It is very prolific, brittle, tender, sweet and delicate in flavor. In fact, it is perfect just as its name implies. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

RED-CORED CHANTENAY. A little more stump-rooted and heavy shouldered than its famous parent Chantenay. The color is a deep orange red and the core is practically the same color. It is of delicate flavor. Tops not too long, making it a desirable bunching Carrot. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

M.-S. SOUTHERN PRIDE. An ideal medium early stump-rooted Carrot; smooth and uniform in shape, averaging 5 in. in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best Carrot for home garden or market. Advisable for truckers. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

ride of Market Carrot. Regular stock. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

Chantenay. Regular stock. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

California Bunching. One of the best for early market and home garden. Tops small, strong stems, roots bright orange size, from $1\frac{1}{4}$ to 2 by 8 in., almost cylindrical with rounded shoulders and are well stumped. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

M.-S. Strain Danvers or Half-long Orange Carrot.

Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer than Chantenay. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

Scarlet Horn, or French Forcing.

Extremely early, of small size, but very sweet, tender and beautiful orange red color. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Oxheart, or Guerande. A short, thick Carrot not exceeding 4 in. in length, and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c., 5 lbs. \$3.75.

CELERY

HANDLER

H-1 brass. \$3.00

H-2, tin.... 1.00

B. B. Improved CELERY BLEACHER

The ideal bleaching method, convenient, efficient, economical and satisfactory. Takes but a few seconds to apply with B. B. Handler and can be used repeatedly.



Sizes	Doz.	100 Wt. per 100
6 $\frac{1}{2}$ x13 in.....	\$0.45	\$3.50 12 lbs.
7x14 in.....	.50	4.00 13 lbs.



M.-S. SOUTHERN PRIDE CARROT

real delicacy. The stalks are broad, thick and heavy, and easily blanch to a rich, appetizing golden yellow. It is one of the easiest Celeries to grow, for it blanches with much less earthing up than most Celeries. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Golden Self-Blanching. American strain. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

Golden Detroit. A grand self-blanching variety. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

White Plume. Unsurpassed for Fall and early Winter use, requiring very little earthing-up to blanch it. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

M.-S. MAGNIFICENT. It is well named for its many good qualities. The stalks which blanch almost white are exceedingly brittle; it is a truly good sort and should be planted extensively. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

M.-S. MONARCH. This variety is a decided acquisition in green Celery, producing large stalks and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Giant Pascal. Regular stock. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Golden Heart. Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Winter Queen. This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy white color. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Easy Blanching. For early use; preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing up. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Flavoring Celery. For culinary purposes. Oz. 10c.

CELERIAC

M.-S. Eureka. This is unquestionably the largest and best Celeriac ever introduced. Very large, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

Giant Prague. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

CELERY PLANTS. See page 22.



FRENCH GOLDEN SELF-BLANCHING CELERY

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE

CAULIFLOWER

Packets, ounces, $\frac{1}{4}$ pounds and 1 pound, postpaid

1 ounce of seed for 1,500 plants

Culture—Sow seed in hotbeds or window boxes in February or March and transplant in coldframes. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row. About 90 days.

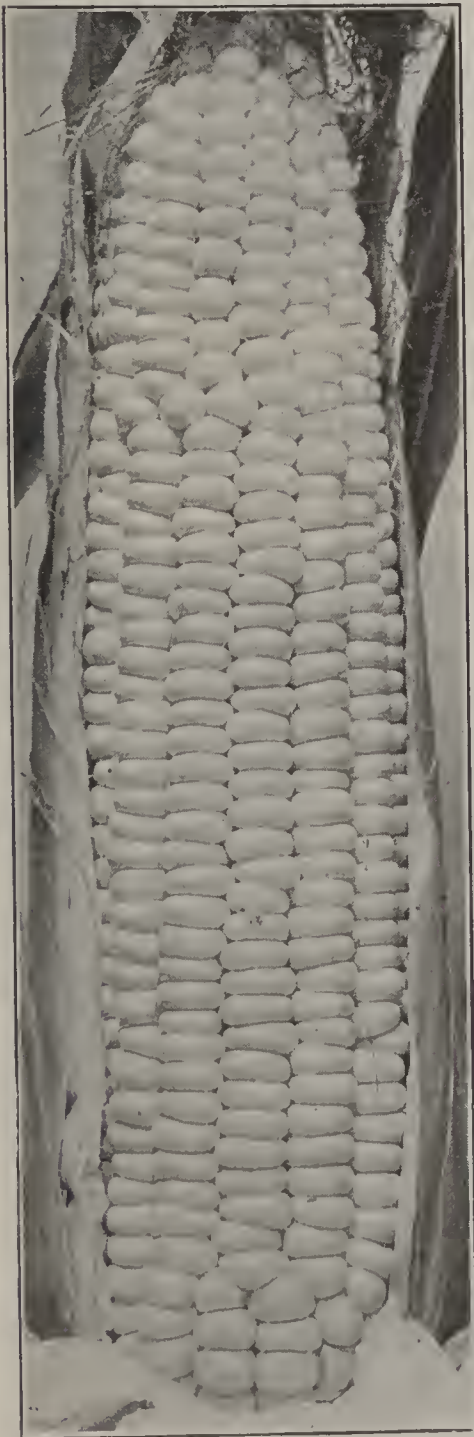
M.-S. EARLY SNOWBALL. An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt. 10c., 25c., and 50c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50.

Dry Weather, or Danish Giant. The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for Summer use if you want to be sure of Cauliflower at that season. Pkt. 10c., 25c., and 50c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50.

Select Early Dwarf Erfurt. Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c., 25c., and 50c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50.

CAULIFLOWER PLANTS—See page 22

For Parcel Post on Sugar and Field Corn, add 8c. per qt., 10c. for 2 qts., 18c. for 1 peck, and 50c. for 1 bus.



GOLDEN BANTAM CORN

CHINESE CABBAGE

Pe-Tsal (Improved Chinese Cabbage). The marked appearance of this Cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late Cabbage, planting in July (Turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 in. apart and the seedlings thinned two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. 70 days. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

CRESS

Watercress. Sow early in Spring near pond or running water; when established will last for years. 50 days. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

Curled Cress, or Pepper Grass. Sow in early Spring in rows 2 ft. apart and repeat often as it runs to seed very quickly. 40 days. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Upland Cress. The Perennial variety. Stays green all year. 60 days. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

CHERVIL

Sow like above, used as a salad seasoner. Pkt. 10c., oz. 25c.

All seeds on this page except Corn, postpaid

SWEET OR SUGAR CORN

1 quart will plant 200 hills, 8 quarts in hills to acre. From 65 to 90 days

Sugar Corn varies in weight according to variety. We have decided to list 44 lbs. as a bushel, except Adams, Truckers Favorite and Red Cob or 90 Day, which weighs 56 lbs. to bushel.

Culture—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well manured ground, in hills 3 ft. apart each way, covering about $\frac{1}{2}$ in. and thin out to 3 plants to a hill. Extra early varieties can be planted 18 in. in the row and 2 $\frac{1}{2}$ ft. between the rows. The field varieties should be planted 4 ft. apart each way, leaving 3 plants to a hill.

No. 1—Golden Bantam. Extremely early. A true Sugar Corn. The grain when ripe is a bright golden yellow, the flavor is exceptionally rich and sugary. Produces from 2 to 3 good ears to the stalk. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

No. 2—Whipple's Early White. Is an extra early variety with the deep grain of the Evergreen type. Matures in 65 days. Large ears with wedge shape grains of pearly whiteness and high sugar content. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

No. 3—M.-S. SNOW WHITE EVERGREEN SUGAR CORN. It produces large, uniform ears which are well filled to the top with beautiful white kernels; 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

No. 4—Country Gentleman or Shoe Peg. A short-stalked, productive sort. Ears large for so small a stalk; grain narrow, very deep; excellent quality. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

No. 5—Stowell's Evergreen. A favorite late Corn for home use, market and canning. Aside from the size of the ears, which are large and well filled, its strong point is that it remains in the green state for a long time. Grains are deep and sugary. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

THE VANGUARD. Days to maturity, 65-70. It is the earliest large-eared white Sweet Corn we know of, and it has excellent table quality. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.00.

Golden Cross Bantam. See page 2, and color illustration on 4th cover.

Golden Giant. This variety is a cross between Golden Bantam and Howling Mob, combining the delicious buttery flavor of its yellow parent with the size and quality of its white parent. Stalks 4 $\frac{1}{2}$ to 6 ft., producing two three ears 7 to 9 in. long with 12 to 16 rows of deep kernels orange in color. Heavy husk. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

Black Mexican. An old favorite, very tender and sweet. Pkt. 40c., pt. 30c., qt. 50c.

Howling Mob. An early Sugar Corn, with fine, large ears excellent for truckers or the home gardener. Pkt. 10c., pt. 20c., qt. 35c., $\frac{1}{2}$ peck \$1.00, peck \$1.75.

Extra Early Adams. Height of stalk 3 to 4 ft., ears set within 6 in. of ground. Not a Sugar Corn, but a decided acquisition so early in the season. Pkt. 10c., pt. 15c., qt. 25c., $\frac{1}{2}$ peck 75c., peck \$1.25.

Early Adams. Similar to Extra Early Adams, larger, but not so early. Pkt. 10c., pt. 15c., qt. 25c., $\frac{1}{2}$ peck 75c., peck \$1.25.

Trucker's Favorite. A late variety of Adams type, ears very large, handsome, 14 to 16 rowed, suitable for table or stock. Pkt. 10c., pt. 15c., qt. 25c., $\frac{1}{2}$ peck 75c., peck \$1.25.

POP CORN. See page 7.

FIELD CORN

Use Imp. Semesan Jr. for better crops. See page 43. 8 quarts to the acre, 56 pounds to bushel

Eureka White Ensilage.

Boone County White.

Collier's Excelsior. White.

LANCASTER COUNTY Yellow Leaming.

SURE CROP. Yellow.

Collier's Success. Yellow.

Golden Beauty.

Maryland Yellow Dent.

HYBRID FIELD CORNS. Varieties and prices on request.

Prices on all these varieties. Qt. 25c., peck 75c.

Red Cob 90-Day Corn. A valuable Corn for the truck farmer, as it readily sells for Sugar Corn on account of its similarity, showing long blades on ears; delicious when young. Qt. 25c., $\frac{1}{2}$ peck 75c., peck \$1.25. Prices subject to change without notice.

Prices on bushel lots of Sugar and Field Corn on request



A & C CUCUMBER

ALL SEEDS ON THIS
PAGE POSTPAID

CUCUMBER

1 ounce will plant 50
hills, 2 pounds, 1 acre

Culture—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about 4 ft. apart each way; thin out to 4 of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August. About 60 days.

The Colorado Cucumber. (See page 2.)

Meyer's Green Pack Cucumber. Produces symmetrical, dark green Cucumbers 10 to 11 in. long. Early and excellent shipper. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

A & C—60 Days. Spines white. A new introduction. Vines healthy, robust and resistant to disease, producing Cucumbers about 10 in. long; not quite so large in diameter as Early Fortune. Has met with universal satisfaction where planted. We believe it a coming Cucumber. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Clark's Special. This main crop variety holds its color and firmness in distance shipping and on account of its small seed pocket is excellent for slicing. Its quality is excellent. Attractive, deep green in color, uniform in length, 8 to 10 in., very smooth in appearance and with few white spines. This is probably the finest dark green, white spine Cucumber to date and good for all purposes. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Early Fortune. A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size, dark green color. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

New Klondike. One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color; large size, and of fine flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

M.-S. COOL AND CRISP. Ideal for home and market gardening. Extra early and very prolific, long, straight, slender and very dark green; good either for pickling or slicing. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Improved Long Green. Long and crisp; a popular and reliable variety for pickles. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00. 75 days.

Woodruff's Hybrid. A Cucumber of recent introduction, bred for long distance shipping or market gardeners use. This variety is hard to improve; it has good color, tapering ends, size 10 x 3 in. Edible in 62 days; weight, $2\frac{1}{4}$ lbs., and is a prolific bearer. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Longfellow. An excellent long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture. An ideal type for the private garden or as a "straight pack" variety for shipment to market. 12 to 14 in. long by $2\frac{1}{2}$ in. in diameter. W. S. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Boston Pickle. Productive and said to "green" better than any other variety to "hold color." Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Jersey Pickle. Like above. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

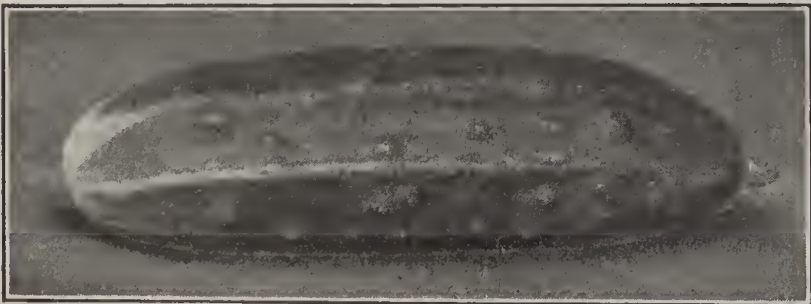
Japanese Climbing. Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Small Gherkin, or Burr. Used only for pickling while young and tender. Pkt. 10c., oz. 25c.

English Forcing Telegraph Cucumber. These are ideal for growing under glass. They produce enormous fruits, generally 18 to 24 in. long and 3 in. in diameter. Pkt. of 12 seeds 25c., 100 seeds \$1.25.

Lemon Cucumber. Also known as **Vine Peach** and **Mango Melon**. For pickling, either green or ripe. Pkt. 10c.

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M.-S. COOL AND CRISP CUCUMBER

EGGPLANT

1 ounce will produce
about 1,000 plants

Culture—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary. 120 days.

M.-S. Ebony King. As its name implies, it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

New York Improved Purple. The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality. Very productive. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Black Beauty. The earliest large variety; color, rich, dark purple. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

EGGPLANT PLANTS—See page 22.

WITLOOF CHICORY (French Endive)

Witloof Chicory, or French Endive. Every garden should have a row of Witloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Witloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 45c., lb. \$1.50. 110 days.

Large-rooted Chicory. The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like Salsify. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 45c., lb. \$1.50. 100 days.



BLACK BEAUTY EGGPLANT

ENDIVE

Culture—Sow in June, July and August; cover lightly; when up thin out to 8 in. apart, and water well afterward, if dry. When the leaves are 6 to 8 in. long, blanch by gathering in the hand and tying together near the top with yard or raffia. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully with a ball of earth to each plant and place close together in frame or cellar for use. They must be kept dry and have plenty of air. 85 days.

Green Curled. Tender and crisp. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

White Curled. Self-blanching. Very tender when young; blanches readily. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Broad-leaved Batavian (Escarolle). This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



BROAD-LEAVED ENDIVE

HERBS

Culture—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, 1 ft. apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Anise. Pkt. 10c.

Balm. Pkt. 10c.

Catnip. Pkt. 10c.

Pennyroyal. Pkt. 10c.

Spearmint. For flavoring. Pkt. 10c.

Borage. Pkt. 10c.

Caraway Seeds. Used to flavor bread. Pkt. 10c., oz. 25c.

Coriander. Pkt. 10c.

Dill. The seeds are used as a condiment and for pickling. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

Fennel, Sweet. Pkt. 10c., oz. 25c.

Tansy. The young leaves are used for seasoning. Pkt. 10c., $\frac{1}{2}$ oz. 30c.

Horehound. For medicinal purposes and flavoring.

Lavender. For flavoring and perfumery. Pkt. 10c.

Martynia. The young seed pods make excellent pickle. Pkt. 15c.

Rosemary. Leaves used for seasoning. Pkt. 10c.

Rue. Pkt. 10c.

Sage. For seasoning and dressing. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25.

Summer Savory. Used for flavoring. Pkt. 10c., oz. 25c.

Sweet Basil. For flavoring soups. Pkt. 10c., oz. 25c.

Sweet Marjoram. Leaves and ends of shoots used for seasoning. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Saffron. For medicinal and coloring purposes. Pkt. 10c.

Thyme (Broadleaf). For seasoning, also for making tea for nervous headache. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.75.

Wormwood. Pkt. 10c.

Woodruff (*Asperula odorata*, Waldmeister). A delightful, fragrant little herb which is used in the well known German drink "Maitrank." Pkt. 25c.

FINOCCHIO, OR FENNEL

A delicious vegetable which should be more largely grown. It is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it, and in about 10 days cutting for use may be commenced and continued as the plants increase in growth. The flavor is somewhat like Celery, but is has a sweeter taste and delicate odor. 60 days. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

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BORECOLE—M.-S. EMERALD ISLE

BORECOLE, OR SCOTCH KALE

1 ounce sows a drill of about 100 feet, 2 to 3 pounds to the acre

Culture—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hardy than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost. About 60 days.

Borecole, Hardy Winter. This variety is grown and treated like Cabbage. The plant attains a height of 18 in., with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curled leaves as soon as the first ones are gone. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25. Plants, see page 22.

M.-S. EMERALD ISLE KALE. This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine plant of medium height. Very hardy. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Dwarf Green Curled Scotch, or Norfolk. One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c.

Dwarf Blue Scotch, Extra Curled. This Kale is of a dark bluish-green color, which it retains without yellowing even after several days of transportation, thus commanding a higher price when put upon the market. It obtains a large size and produces a great mass of foliage. In addition it is very hardy and passes the severest Winter without being harmed. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 85c.

Tall Scotch. Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

KALE

Dwarf German Kale. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

New Imperial Extra Curled Long Standing. The leaves are very crimped and a dark green. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Spring Kale. A hardy, quick growing, smooth-leaved variety. Sow at intervals of 10 days, so as always to have it young and tender. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c. 30 days.

KOHL-RABI

1 ounce will sow 150 feet of drill

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above the ground, and if used when young and tender, makes a most delicate dish. 50 days.

White Vienna. Greenish white outside with clear white flesh within. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Short-leaved Early White Vienna. The best for either forcing or crop. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Earliest Purple Vienna. Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.



WHITE VIENNA KOHL-RABI

LETTUCE M.-S. CHOICE STRAINS

2 ounces of seed to 100 yards of row, 1 ounce for 2,000 plants

Culture—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 in. apart, 10 in. apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession. 50 days.

No. 12 New York, or Wonderful. Also called **Iceberg** and **Los Angeles**. This very large heading Lettuce is desirable not only as a garden variety for Summer use, but is much used as a Fall and Winter market sort. It is the variety largely grown in California and shipped to Eastern markets under the trade name of Iceberg. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use. Cultivate same as Big Boston. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Big Boston. Old favorite. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Unrivalled. Another old standby. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Romaine White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Romaine, or Dark Green Cos. Like above, but for its color. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Grand Rapids. Excellent for forcing, fine quality, large, loose, yellowish green head; stands well. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

California Cream Butter. A good Summer sort, of reliable heading quality. Yellowish green, slightly marked with brown specks. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

ALL SEASON. A heading variety, thick leaves, solid, yellow heads, large size. Succeeds well at all seasons. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Mignonette. A splendid, black-seeded early Lettuce of small size, with very few outer leaves and a comparatively large, solid head. The outer leaves are a dark green shaded with brown. They are curled and crumpled. The heads are exceptionally compact and of a light creamy yellow color throughout. Recommended for growing in frames and early outdoors. Pkt. 10c., oz. 20c., 4 ozs. 60c., $\frac{1}{2}$ lb. 85c., lb. \$1.50.



NO. 12 LETTUCE NEW YORK, WONDERFUL, OR ICEBERG

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WHITE BOSTON SPECIAL LETTUCE

LETTUCE PLANTS—Popular Varieties—See page 22



FLAG OR AMERICAN LEEK

M.-S. BELVEDERE LETTUCE. In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our truck farmer customers had with it. The M.-S. Belvedere is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp, and has a fine yellow heart. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

WHITE BOSTON SPECIAL. A new, very high class strain of the pale, green-leaved Big Boston type without the red tinged leaf edge. A surely dependable sort for growing in coldframes and for first field-planting in the early Spring. Lettuce from this strain is not quite as large framed, but it cuts nearly as heavy in number of crates as the regular Big Boston, and it sells quicker and at higher prices. Many fields gave a 90 per cent first cutting for early market at top prices. The heads show comparative freedom from tipburn. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Early Curled Simpson Lettuce (B. S.) Fine, large, loose heads—early, finely fringed and curled. Very popular for family garden and forcing. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

CHICKEN LETTUCE. This is a non-heading Lettuce, quite different from those used for human food. The plants grow 4 ft. tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits. Yields more food for this purpose than any other plant you can grow. After cutting, the stumps will start again to make a new growth and within a short time you will be able to harvest another crop of tender nutritious leaves for feeding. Pkt. 10c., oz. 15c., 4 ozs. 40c., $\frac{1}{2}$ lb. 75c., lb. \$1.25.

LEEK

1 ounce to 150 feet of row

Culture—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows 1 ft. apart and 4 to 5 in. in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use. 85 days.

Giant Carentan. Produces a large, thick stem and of mild flavor. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

American, or Flag. One of the hardiest and best for Winter use. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

MUSHROOM SPAWN

PURE CULTURE, SPORE PROCESS

The best procurable; making cream colored Mushrooms. Brick 25c., postpaid 32c.; 5 bricks \$1.00, postpaid \$1.15; 25 bricks \$4.50, postpaid \$4.85; 50 bricks \$8.50, postpaid \$9.10; full case, 100 bricks \$16.00. Express or freight. One brick will spawn 10 square feet.

Pure Spore Culture Spawn. In bottles, one carton equals 5 bricks. Per carton \$1.00, 12 for \$10.75, 25 for \$21.25, 60 for \$48.00.

CULTIVATION OF THE MUSHROOM

Giving full instruction how to grow this delectable vegetable.
Price \$1.00, postpaid

MUSHROOM OR HOTBED THERMOMETERS

Wood frame, heavy brass point. Parcel post weight, 2 lbs. \$3.00.

OKRA, OR GUMBO

4 ounces to 40 feet of drill

Culture—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 ft. apart, 1 in. deep; thin to 10 in. apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. 60 days.

White Velvet, or Lady Finger. Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Improved Dwarf Green Prolific. Of dwarf growth but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Perkins' Mammoth Podded. The pods are of an intense green color, of unusual length, 8 or 9 in. Very superior for canning. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.



OKRA, PERKINS' MAMMOTH PODDED

ONIONS

AMERICAN GROWN SEED
1 ounce for 100 feet of drill, 6 pounds for one acre

Culture—For sets, sow the seeds early as possible in the Spring, very thickly in drills. As soon as the tops dry off in the Summer remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 in. apart and about 4 in. apart in the drills; the Onions of this process obtained are of large size early in the season, also will be grown to full size during the first season by sowing thinly in drills 1 ft. apart and about $\frac{1}{4}$ in. deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 or 4 in. apart in the drills. About 100 days.

Prizetaker. This is the large, pale yellow Onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large Onions are raised the first year from seed, and with ordinary culture produce enormous crops. The Onions sometimes go over 3 lbs. each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Large Red Wethersfield. Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Australian Brown. A brown skinned Onion which grows to a good size the first season. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

White Silverskin. Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Southport White Globe. The earliest of the Southport Globes, perfecting a very handsome product within 90 days from sowing seeds. The bulbs are pure white and of a very mild flavor, also equally as good for keeping as the Yellow Globe. The flesh is remarkably firm and solid. It is an enormous yielder and as it is very attractive, always sells at high prices. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

White Bermuda. They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full grown Onions from seed the same season. Pkt. 10c., oz. 50c.

Yellow Globe Danvers. One of the most extensively used yellow Onions. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

ONION PLANTS—See page 22.

CHIVES (Schnittlauch). Very mild onion flavor, used with cottage cheese and on egg omelets. Pkt. 10c., oz. 50c.

ONION SETS

1 qt. will plant row about 50 ft., 10 to 15 bushels to 1 acre

Used for an early crop of Onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 in. apart, 2 in. apart in the row; so that all the development goes in the Onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young Onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

For Parcel Post, add to all pts. 8c., qts. 10c., $\frac{1}{2}$ peck 13c., peck 18c., bus. 44c.

Yellow Danvers. Qt. 10c., peck 75c., bus. \$2.00.

Japanese, or Ebenezer Onion Sets. This variety is globe-shaped, about the color of a yellow Danver, is very solid and has a mild flavor. It will keep longer than any other variety. Qt. 10c., peck 75c., bus. \$2.00.

Large Red Wethersfield. Qt. 10c., peck 75c.

White Silver Skin. Qt. 10c., peck 75c., bus. \$2.25.

Multiplier Onion Sets. Yellow and white; and **Egyptian Top Onion**, brown—furnished in September and October. Market price.

Prices on Onion Sets subject to change

Prices on larger quantities furnished on request



YELLOW GLOBE DANVERS

MUSKMELONS, or CANTALOUPE

1 ounce will plant about 50 hills, 2 to 3 pounds in hills to 1 acre

Culture—Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 ft. apart each way, putting two or three shovelfuls of well rotted manure in each hill; pack it down tight, cover it with 3 in. of fine, loose soil, making hills 1 ft. in diameter. When the weather is quite warm, scatter 10 to 15 seeds thinly over the surface of the freshly made hills and cover with $\frac{1}{2}$ in. of fine soil. When the young plants are well established, thin out to the best three plants. For early use sow in hotbed, on piece of sod or in pots. From 65 to 100 days.

GREEN FLESHED VARIETIES

LONG JOHN. This is a product of Anne Arundel County which is famous for its fine Cantaloupes. It averages 8 to 10 in. some specimens growing a foot long, deeply netted and ribbed, green fleshed, thickly meated and deliciously flavored. Main crop variety. Seed scarce. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Bottomly Cantaloupe. True Anne Arundel strain. Great favorite with the Anne Arundel County truckers and private gardeners. Medium size, oblong, deeply netted, green flesh and delicious flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Knight Cantaloupe (Regular stock). Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Rocky Ford. We have a very fine stock of this popular Cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Acme, or Baltimore Nutmeg. A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Jenny Lind. Very early, small, round, netted and of fine quality; green fleshed. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Montreal Market. Largest grown. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

New Honey Dew. Produces a melon with smooth, almost white rind, measuring about 6 in. in diameter by 7 to 8 in. long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well ripened Banana. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

PINK FLESHED VARIETIES

Hearts of Gold. Here is a fair sized melon, larger than Rocky Ford, with distinct ribs and quite heavily netted. The rich, golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

No. 36. HALE'S BEST CANTALOUPE. Very early. Oval in shape, with heavy netting and ribs hardly apparent. The flesh is exceptionally thick and firm, of fine, sweet flavor. A deep salmon color. Has a very small seed cavity. It is at least 10 days earlier in maturing than other types of Rocky Ford. It is ready for market in about 70 days. A very prolific Melon and very valuable for the commercial and also the home garden. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



M.-S. GOLDEN WONDER

Emerald Gem. Small, green skin, and delicious yellow flesh. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Miller's Cream, or Osage. Melons are large and round, with light green, netted skin, and thick, sweet, salmon colored flesh. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Banana. This Melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the Melon is thoroughly ripe. It grows from 20 to 28 in. in length and is very prolific. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

HONEY DEW. Pink-fleshed, same as the green one, with the exception that the flesh is of a beautiful pink tint and highly flavored. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

M.-S. GOLDEN WONDER CANTALOUPE. Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

WATERMELON

1 ounce for 30 hills, 4 to 5 pounds for an acre

Culture—Watermelons should be planted in hills 8 to 10 ft. apart. Otherwise for culture, see directions for Cantaloupes. Do not grow them near Pumpkins or Gourds. About 85 days.

NEW CREATION WATERMELON. The rind is thin for such an enormous size Melon, is extremely tough and will stand ordinary handling and shipping with no bad effects; the meat is sparkling red with no white parts, of a delicious flavor. The Melon is a rich green with mottled stripes. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

McIver's Wonderful Sugar. Resembles Old Rattlesnake, superior in quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Florida Favorite. Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Gray Monarch, or Long White Icing. Very large, long, crimson flesh. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Dixie Queen Watermelon. The sparkling, crisp, rich scarlet flesh is firm, sweet and juicy right up to the rind, which is thin but tough. It is a splendid shipper, but has been described as "unbeatable for the home garden." Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Stone Mountain (90 days). The largest of the round or nearly round Melons, for on good Melon ground they weigh 50 lbs. or better. The outside color is dark green; the flesh is deep red, firm and solid, almost all heart with no white hearts or stringiness. In delicious sweetness it is the equal of Kleckley Sweet. It is especially recommended for the home garden and nearby markets. Pkt. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

M.-S. SWEETHEART WATERMELON. Give this one a trial for a real treat. Either for market or home. Pkt. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

GOLDEN HEART WATERMELON. A decided novelty in Watermelons, producing Melons which have delicious yellow meat almost to the rind. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

Improved Georgia Rattlesnake. A long, fairly large Melon. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Tom Watson. A large, long Melon with dark green rind and light crimson flesh of excellent quality. It is a splendid shipper and is being grown extensively in the South for Northern markets. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Excel. This is the largest shipping Melon yet produced, of good flavor, strong, tough rind, and solid, firm, crisp flesh that will keep well. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The Melons average about 20 in. long and ripen quite early. Pkt. 10c. oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

CITRON. Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

WATERMELON SEED. For medicinal purposes. Lb. 30c.

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE

PARSLEY 1 ounce to 150 feet of drill

Culture—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating and should be sown as early as possible in the Spring, in drills 1 ft. apart and when the plants are well up, thin to 1 ft. in the row. When the plants are about 3 in. high, cut off the leaves, the plant will start a new growth. 70 days.

PARAMOUNT PARSLEY. Is an unusually rich dark green in color. The curl is generally described as "triple curled," but is most uniform in this respect and the uniformity of plant type is also most striking. When thinned, the plants grow about 12 in. high with a spread of about 20 in. The total length of stem and frond is about 12 in. with the length to first joint 5 in. The frond is triangular in shape the base being between 4- and 5 in. At following prices: Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

M.-S. GREEN CURLED BEAUTY PARSLEY. Very handsome, dark green, beautifully curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year round. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

Champion Moss Curled. A distinct variety of unequalled merit, beautifully crimped and curled. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Green Mountain Parsley. Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Plain or Single Parsley. Very hardy and strongly flavored. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.

TURNIP-ROOTED, or HAMBURG. The fleshy root is used for flavoring soups, stews, etc. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



M.-S. GREEN CURLED BEAUTY PARSLEY

PEPPER PLANTS —Listed on page 22

PEPPER 1 ounce will produce 1,000 plants

Culture—Sow in hotbeds in March or April, or on a warm, sheltered border in May; when the season is favorable transplant in rows 2 ft. apart and 18 in. in row, in good, rich ground. About 120 days.

CALIFORNIA WONDER PEPPER. Introduced in 1925. This Pepper while similar both in size and shape to the Chinese Giant, is a much heavier and thicker meated Pepper, the meat being about 3 times as thick as the Chinese Giant. The flavor is sweet, excellent, and the keeping quality could not be better. It will outkeep a Chinese Giant Pepper by many days. A medium size Pepper will average $\frac{1}{2}$ lb. or better in weight when ready for marketing. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Chinese Giant. This is a real monster Pepper, perfectly sweet, the fruit is green, turning to bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt. 10c., oz. 40c., 2 ozs. 75c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Crimson Giant. Like above, somewhat longer and earlier. Pkt. 10c., oz. 40c., 2 ozs. 75c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

M.-S. Everbearing Sweet Pepper. Early, large, productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an Apple. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.35, lb. \$5.00.

Perfection Pimento Pepper. Very fleshy and sweet. Pkt. 10c., $\frac{1}{2}$ oz. 30c., oz. 50c.

Ruby King. Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

World Beater. Excellent market gardeners sort. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Neapolitan. Grows a long shape and somewhat narrow. Sweet, bright red and very early. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Golden Dawn. A large yellow variety, very sweet. Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 60c.

Large Bell, or Bull Nose. Large, early variety; hot flavor, thick and fleshy. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Long Red Cayenne. Pkt. 10c., oz. 40c.

Small Chill. Small, conical pods. Very hot. Pkt. 10c., $\frac{1}{2}$ oz. 30c., oz. 50c.

Red Cherry. A small, round Pepper, very hot. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 75c.



CRIMSON GIANT PEPPER

PARSNIP 1 ounce for 200 feet of drill, 5 to 6 pounds for an acre

Culture—Sow as early in the Spring as the weather will permit, in drills 16 in. apart and $\frac{1}{2}$ in. deep, in a rich, deep soil; thin out to 6 in. apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use. 100 days.

Improved Hollow Crown. A great cropper, roots long, very smooth, white, tender, sugary and of excellent flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 75c.

All American. Resembles Hollow Crown but roots slightly shorter, very free from side roots, uniform, with distinct hollow crown; tender and of fine flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

M.-S. IMPROVED JUMBO PEANUTS

Culture—Plant in May or early June, in rows about 2 $\frac{1}{2}$ to 3 ft. apart, dropping the nuts 8 to 10 in. apart, one in a hill. Cover 1 or 2 in. deep. Cultivate 3 or 4 times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow throw the dirt to the nuts. $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 20c., lb. 35c. *Special price on large quantity.*



ALL AMERICAN PARSNIP

Legume Aid—the best inoculation for Peas, see page 24

PEAS M.-S. SUPERIOR HAND PICKED

Prices on larger quantities on application. Prices on all Peas are subject to market changes.

Sow 1 quart of seed to 200 feet of row and $\frac{1}{2}$ to 2 bushels to the acre in drills

Culture—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts 3 ft. apart and tall sorts 4 ft. apart, or in double drills, 6 to 8 in. apart, 1 in. apart in the drill, and not less than 4 in. deep, for late sorts 5 to 6 in. deep. Deep planting prevents mildew. **If to be sent by Parcel Post, add to pt. 8c., qt. 10c., $\frac{1}{2}$ peck 16c., peck 25c., bus. 75c.**

EXTRA EARLY VARIETIES

Weight, 60 pounds per bushel—About 50 days

Early Bird. As early as Alaska and First and Best. As large as Thomas Laxton or Gradus. Dwarf, vigorous vines about 2 ft. high, covered with immense, well filled pods. Perfectly hardy. Can be planted as early as any variety. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Mammoth Podded Extra Early. On the order of First and Best, but pods one-fourth larger. Matures practically with First and Best and Alaska, and is much more productive. Vine and foliage robust, heavy and deep green. Height 3 ft. Pods dark green, 4 in. long, round, broad, saddle backed and square ended, containing 7 extra large, light green peas. A very productive and extra fine sort, bound to take first place as a leading market gardener's first early Pea. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Pilot. A few days earlier than Gradus, with a larger pod. Height 3 ft. As the seed is almost smooth, it can be sown with the Extra Earlies. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Long Podded Alaska or Bountiful. 3 ft. high and are heavy bearers. The pods, 3 in. long, mature shortly after Alaska, and are well filled with sweet, tender peas. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Extra Early Alaska. Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.15, peck \$2.00.

Pedigree First and Best. An excellent strain of first early Peas; very popular and largely planted throughout trucking sections. Height 2 to 2 $\frac{1}{2}$ ft. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.15, peck \$2.00.

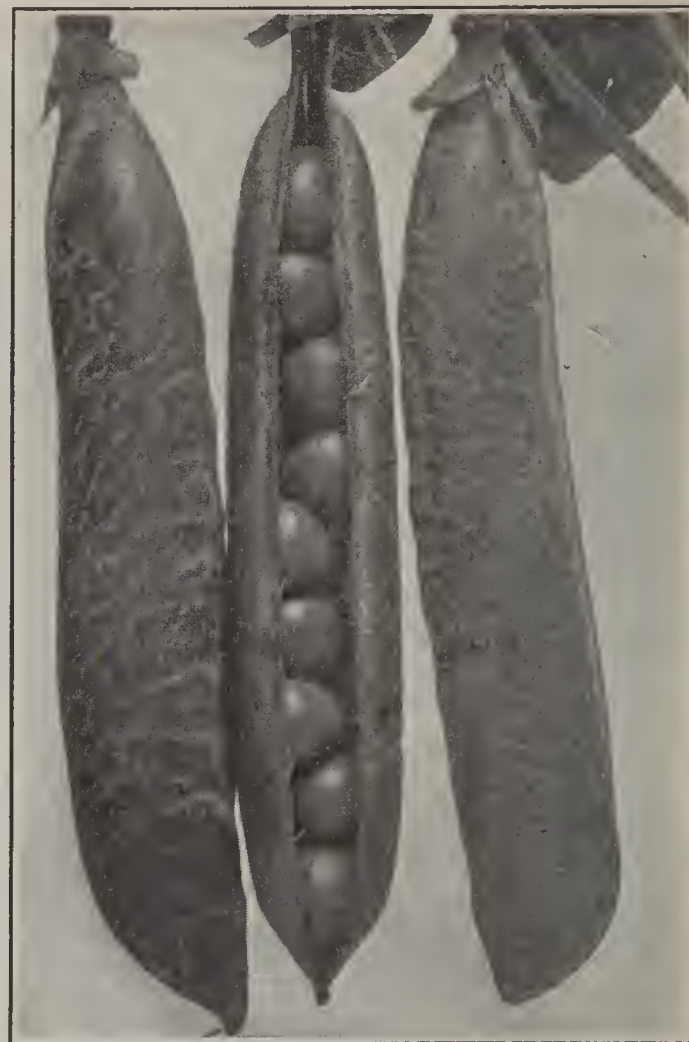
Prolific Early Market. This is one of the largest podded and most productive of all smooth seeded extra early Peas. Vines grow about 30 in. in height and can all be gathered in two pickings. The pods are remarkably well filled, and the peas, sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.15, peck \$2.00.

FOR the convenience of our customers, we suggest the varieties listed below, for successive planting and maturity. These peas succeed each other in their numerical order as listed.

- No. 1—**EARLY BIRD.**
- No. 2—**M.-S. WORLD'S RECORD.**
- No. 3—**M.-S. LITTLE MARVEL.**
- No. 4—**DAISY or DWARF TELEPHONE.**
- No. 5—**TELEPHONE.**



LONG PODDED ALASKA PEAS



EARLY BIRD PEAS

EXTRA EARLY WRINKLED VARIETIES

Weight, 56 pounds per bushel—About 55 days

Early Wonder. Extremely early, of high quality and very productive. Pods are dark, long, well filled, and handsome, can be shipped long distances. Will soon be the market gardener's favorite. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

M.-S. WORLD'S RECORD. Medium vines of dark green color and heavy foliage, bearing large, handsome, well filled pods measuring sometimes 4 in. and longer, filled with from 8 to 12 tender, luscious peas. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Laxtonian. Hundred-fold strain, sometimes called Blue Bantam. Vines medium dark and medium heavy of foliage. Pods 3 $\frac{1}{2}$ to 4 in. long, slightly curved. Will bear more abundantly at top of vines, making it easy to pick, very heavy yielder. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Thomas Laxton. An exceptionally fine variety, growing 3 ft. in height and yielding large podded peas, 4 to 5 in. in length, of the finest flavor; very early. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Gradus, or Prosperity. One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well known Telephone, contain very large peas that are unexcelled for sweetness. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

MEDIUM EARLY WRINKLED VARIETIES About 60 days

M.-S. LITTLE MARVEL PEA. An extremely valuable variety, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 in. in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with 7 to 8 peas of extra fine flavor. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Nott's Excelsior. Resembling Little Marvel in habit and growth. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Daisy, or Dwarf Telephone. The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are well filled with large peas of most excellent quality. The vines are 16 to 18 in. high, and, being strong and thrifty, require no support. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

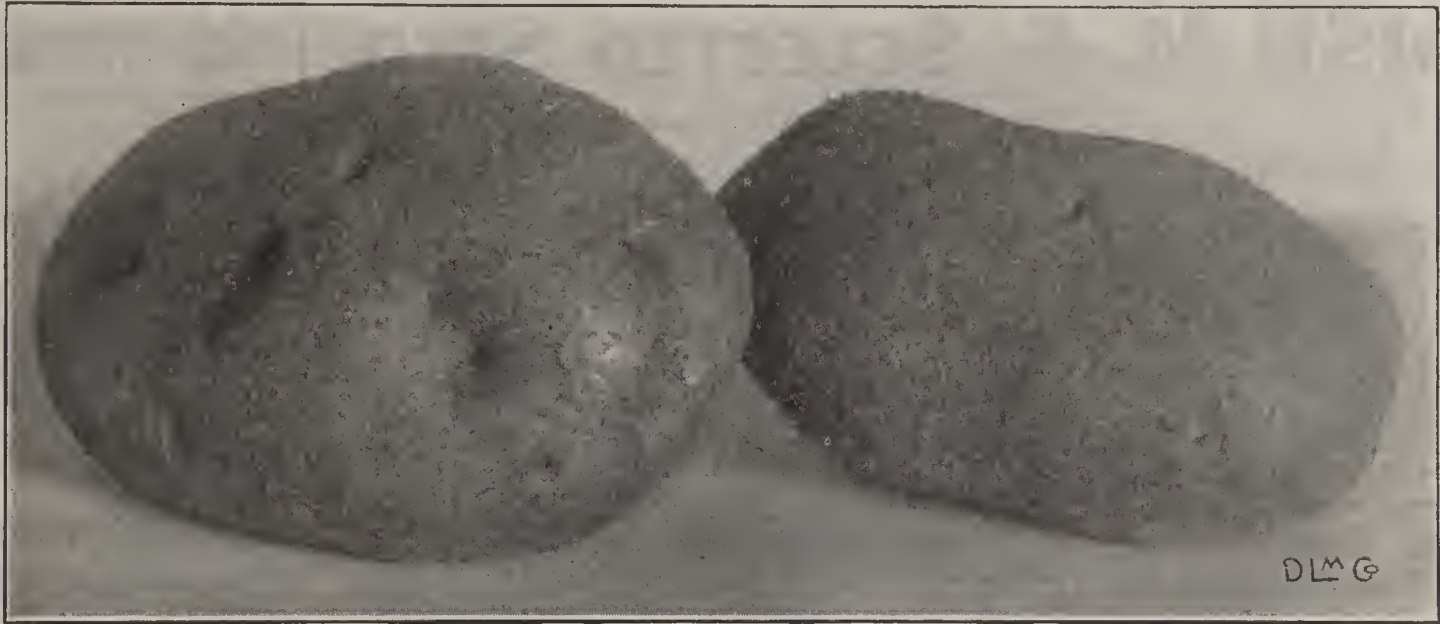
MEDIUM AND LATE VARIETIES About 70 days

Telephone. For general planting this tall growing variety is undoubtedly the most popular among market gardeners. The pods, 4 to 4 $\frac{1}{2}$ in. long, are light green in color and filled with large, sweet, tender peas. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.15, peck \$2.25.

Champion of England. A standard Pea, vines grow 4 $\frac{1}{2}$ ft. high and bear medium sized pods of peas of good quality. Pkt. 10c., pt. 25c., qt. 40c., $\frac{1}{2}$ peck \$1.25, peck \$2.25.

Dwarf Melting Sugar. The pods as well as the peas of this variety are edible and both very sweet. Pkt. 10c., pt. 25c., qt. 50c. Tall variety same price.

Blackeyed Peas. Popular variety for soup in their dry state. Qt. 25c., $\frac{1}{2}$ peck 75c.



M.-S. FILL BASKET POTATO

POTATOES

Subject to market fluctuations—Prices on bag lots or larger quantities of selected or certified stock furnished on application

Present price of all kinds, peck and bushel lots, Selected Stock, peck 50c., bus. \$1.50

If wanted by Parcel Post, 1st and 2nd zones, add to peck 25c., to bus. 75c.

Culture—Planting may commence as early in the Spring as the ground can be worked. Place one piece every 12 in. in rows 2½ ft. apart, covering about 4 in. When cutting the seed allow two eyes to each piece.

8 to 10 bushels will plant 1 acre

Red Bliss. Very early, thin, red skin, round, white flesh.

Irish Cobbler. This is an early Potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

Houlton Early Rose. The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

M.-S. FILL BASKET. On account of the large yields that have been reported on this Potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, medium late. The vines are always very heavy, the seed being especially vigorous and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

Improved Green Mountain, Prosperity and Dakota Reds—all three, late sorts. Prices furnished on application.

Choice Seed Sweet Potatoes—Leading varieties. Prices on application.

Sweet Potato Plants—See page 22.

For larger crops, dip with Semesan Bel



WINTER LUXURY PUMPKIN

PUMPKIN

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

1 ounce for 15 hills, 3 to 4 pounds plant an acre

Culture—Sow in the month of May. Make hills the same as you do for Squashes but do not make the hills too close. About 85 days.

M.-S. YANKEE PIE PUMPKIN. The best pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large, handsome, Pear-shaped, golden yellow Pumpkin, which are so sweet that they require very little sugar and ripen early. Pkt. 10c., oz. 15c., ¼ lb. 30c., lb. \$1.00.

King of the Mammoths, or Pot Iron. An immense variety, which always wins the prize offered for the largest and best Pumpkins; grown to weight over 200 lbs. Flesh of a rich, golden yellow; a splendid keeper. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Cushaw, or Winter Crookneck. An old standard variety which is very popular. It is also used for feeding stock. Long, yellow crookneck, fine grained yellow flesh, very solid. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

Cushaw Striped. Same as above, but it is green and white striped. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Tennessee Sweet Potato. Excellent for pies, Pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Winter Luxury Pumpkin. A very good keeper and a splendid pie Pumpkin; shape round; skin finely netted, and beautiful russet yellow color; flesh thick and of fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

M.-S. Sugar Pie. For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

Common Yellow, or Connecticut Field. Very productive; for feeding stock. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 50c.



KING OF THE MAMMOTH PUMPKIN

RADISH M.-S. SELECTED SEED

WE PAY POSTAGE ON PKTS.,
OZS., ¼ LBS., AND 1 LBS.

1 ounce for 50-foot drill, 10 pounds in drills to 1 acre

EARLY VARIETIES

25 to 30 days

Scarlet Globe Early, M.-S. Strain.

Highly recommended for truckers. This variety can be used for forcing and is recommended for early outdoor planting. It is small, round, red and of excellent flavor; its rich, crisp, tender flesh makes it very popular. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c., 5 lbs. \$2.50, 25 lbs. \$11.25, 50 lbs. \$20.00.

M.-S. EARLY CARDINAL RADISH

These are the best little crisp red Radishes, which come so early in the season; they grow perfectly round, and are of the most brilliant fiery red color that we have ever seen in any Radish; are tender and crisp; will stand the heat and are fine for forcing. Most desirable for home garden and market gardeners' use. This Radish will never fail to attract the attention of the grower as well as the consumer. Pkt. 10c., oz. 15c., ¼ lb. 30c., lb. \$1.00.

French Breakfast, Early. Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Early Long Scarlet Short Top. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Iceicle. Has slender, pure white roots which are smooth and average about 6 to 7 in. in size when matured. They are quite early and of excellent quality. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c., 5 lbs. \$2.50, 25 lbs. \$11.25, 50 lbs. \$20.00.

Long White Vienna, or Lady Finger. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

New Glass, or Cincinnati Market. A long scarlet Radish with a distinctive white tip. A suitable Radish for deep, mellow soil. A fine Radish for the home garden as well as an attractive one for the market stall. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

White Box (Turnip shape). Fine for forcing and open ground. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

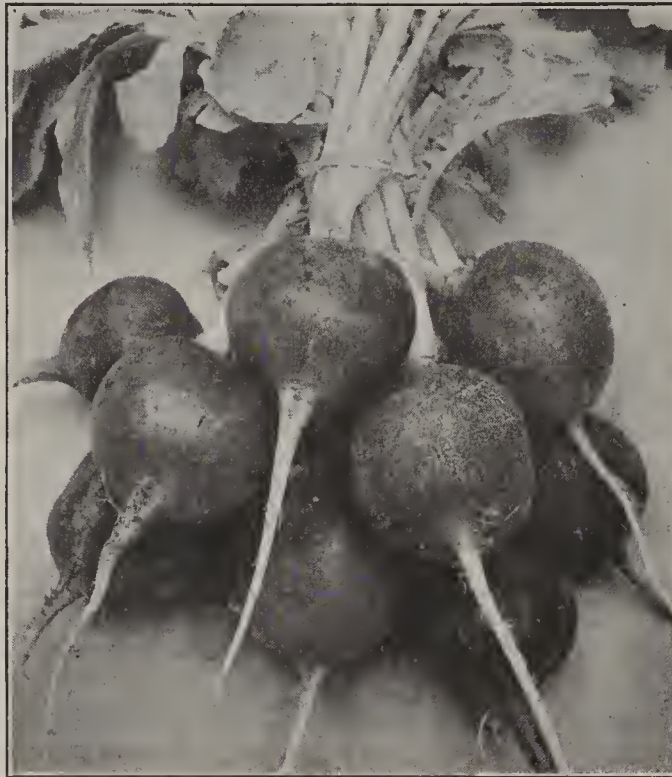
White-tipped Scarlet Globe. A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early, good quality. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Ruby King, Extra Early. Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. One of the best round, red Radishes. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

IMPROVED CHARTIER. One of the most distinct varieties; scarlet at top, shaded to pink at center, and white at tip. They will keep crisp, tender, and retain a mild and pleasant flavor for a long time. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Crimson Giant. Like M.-S. Early Cardinal Radish, but much larger. Very desirable. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Culture—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of 10 days. May also be sown as a catch crop between rows of Beets, Lettuce, Onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.



SCARLET GLOBE RADISH



ICICLE RADISH

Strawberry. The exceptional merit of this Radish is proved by its popularity increasing every year with successful market gardeners. This Radish is a table dainty, crisp, tender and sweet; it is Turnip-shaped, bright scarlet color, and is a high class strain for outdoor planting. It combines beautiful appearance with finest Radish quality—appealing to the eye and palate. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

SUMMER VARIETIES

White Strasburg. Handsome, oblong, tapering, skin and flesh pure white; firm, brittle, tender and possessing the most desirable character of retaining its crispness even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c., 5 lbs. \$2.50, 25 lbs. \$11.25, 50 lbs. \$20.00.

Golden Globe. A favorite Summer Radish. Golden brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Large White Stuttgart. Very large, top shaped, flesh and skin white, fine quality; firm and brittle, seldom pithy. Can be stored for Winter. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

WINTER VARIETIES

60 days—Plant after Aug. 15th and through September

Long Black Spanish. Large Radish, with black skin and white, firm flesh; grows 6 to 8 in. long. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Round Black Spanish. Like the above, except that it is round shape. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Long White Spanish. Like the Long Black Spanish, only different in color. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Round White Spanish. Like the Round Black, but white. Like all the Spanish Radishes, which are fine keepers, mild flavor and brittle. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

China Rose, or Scarlet China. Bright rose colored, stump rooted, of excellent quality. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

White Chinese, or New Celestial. Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Sakurajima (Mammoth Japan). The largest sort in cultivation. Sow in rich soil. In Japan it grows as much as 21 in. long and 43 in. in circumference. Thin well to allow of proper development. Pkt. 10c., oz. 25c., ¼ lb. 75c.

HORSERADISH—See page 22.

RHUBARB

Culture—Sow seed in a coldframe, in a fine, rich sandy loam, about the first of March, in drills 4 in. apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in 6 or 8 weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 in. apart and 12 in. in the row. The following Spring transplant to a permanent location, setting 4 or 5 ft. apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our 2-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure to be spaded under in Spring.

Myatt's Victoria. The leading variety. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

ROOTS—See page 22.

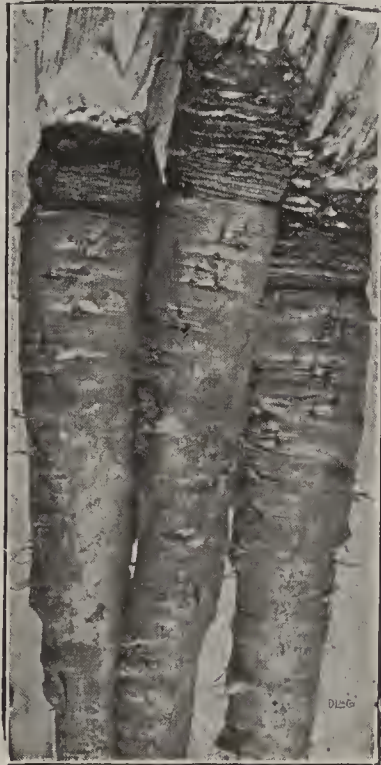
SALSIFY, OR OYSTER PLANT

1 ounce to 70 feet of drill, about 8 pounds to the acre

Culture—Sow as early as the ground can be worked in the Spring, in drills 12 in. apart, 1 in. deep and thin out to 6 in. in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces $\frac{1}{2}$ in. long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips and have a sweet and agreeable flavor like that of the oyster. 110 days.

Mammoth Sandwich Island.

This is an improved type and the largest and most profitable Salsify now in cultivation. It is white in color and a satisfactory sort in every way; invaluable to market gardeners and truckers. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



SANDWICH ISLAND SALSIFY

SORREL, OR SOUR GRASS

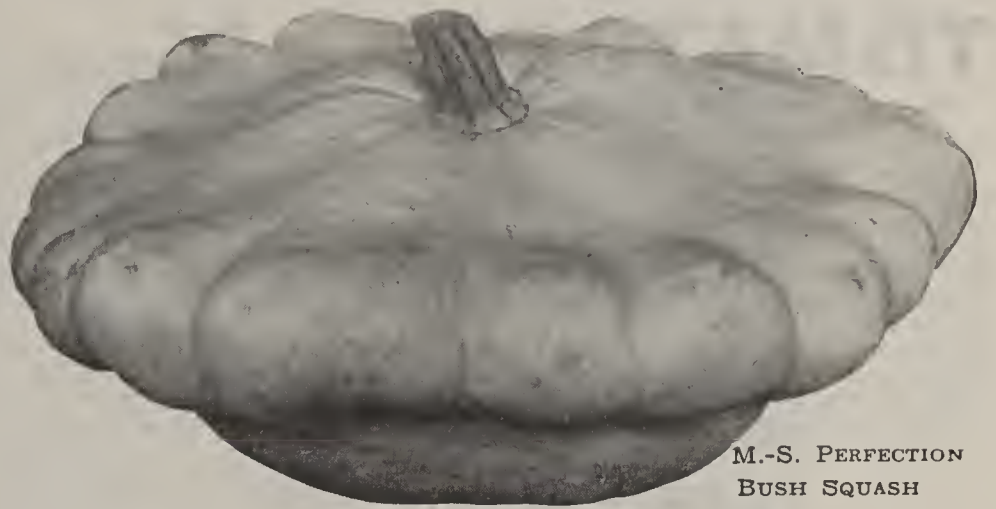
Culture—Sow in Spring in drills 18 in. apart, in a rich soil and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in 4 or 5 years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Narrow Leaf. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



HUBBARD SQUASH

ALL SEEDS ON THIS PAGE POSTPAID



M.-S. PERFECTION
BUSH SQUASH

SQUASH

Bush Sorts—1 ounce for 50 hills, 5 to 6 pounds to acre. Running varieties 3 to 4 pounds in hills for an acre

Culture—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush varieties 3 to 4 ft. apart each way and the running kinds from 6 to 8 ft; 8 to 10 seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 to 4 of the strongest plants per hill. About 60 and 100 days.

M.-S. PERFECTION BUSH. This is the finest scalloped white Squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Early White Bush. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

GREEN-TINTED BUSH. Particularly desirable for market gardeners on account of its green tinted, well scalloped, uniform, small sized fruit. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Summer Crookneck, Bush Variety. About 1 ft. long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Giant Yellow Straightneck. Like Crookneck, but straight and thicker, containing more flesh. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

Hubbard. An excellent keeper, splendid quality. Vines of strong, running growth. Large, olive shaped fruits with dark green skin; very rich flesh. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00. Late.

Golden Hubbard. Like the above but of a beautiful, orange red color. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00. Late.

Boston Marrow. This is a large fruited hard shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine, extensively used for Pumpkin pies. Fine, strong running growth. Very productive, oval shape. Pkt. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c. Late.

Blue Hubbard. A new variety and a selection from the original Hubbard. Fruit gray blue color; grows large, remarkably good keeper and excellent quality. Running variety. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00. Late.



CROOKNECK SQUASH

VEGETABLE MARROW

Black Zucchini. Bush type. Fruits weigh 5 to 6 lbs., cylindrical, slightly fluted, dark green black; flesh greenish white and of good flavor.

Cocozelle di Napolle. Grows about 20 in. long with a diameter of 3 or 4 in. Skin smooth, dark green, marbled yellow or pale green.

Cucuzzi Caravazzi. Similar to the above, but the color is light green. Great favorite with the Italians.

Prices the above (3): Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

TOMATOES

M.-S.

SURE CROPPING

Tomato Seed sent postpaid TOMATO PLANTS—See page 22

1 ounce for 1500 plants, ¼ pound (to transplant) an acre—From 90 to 120 days

Culture—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March or latter part of February in drills 5 in. apart and ½ in. deep. When the plants are about 2 in. high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills 3 ft. or 4 ft. apart each way (sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot. and placing it in a sunny window of the room or kitchen). Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the young plants.

EARLY VARIETIES

M.-S. Early Wonder. This is the 12th year that we are offering this wonderful extra early Tomato after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early Tomatoes for the market or home garden. Pkt. 10c., ½ oz. 30c., oz. 50c., ¼ lb. \$1.75, lb. \$5.00.

ASGROW SCARLET DAWN. Matures for market in 70 days. Vines of medium growth, fairly open, very prolific. Fruits medium large with thick wall structure, globular, smooth, free from flat sides, bright scarlet, ripening well to the stem. Pkt. 15c., ½ oz. 40c., oz. 75c., 2 ozs. \$1.25, ¼ lb. \$2.00, ½ lb. \$3.50, lb. \$6.00.

M.-S. SPECIAL STRAIN EARLIANA. Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.50.

2nd EARLY VARIETIES

BREAK O'DAY. The latest introduction in red fruited early globe-shaped Tomatoes. One of its parents is the well known Marglobe, which it resembles closely in color, shape, size, and solidity, but it is 10 to 12 days earlier and ripens along with Bonnie Best and other early varieties. The vines are open and not as heavy as Marglobe. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.50, lb. \$5.00.

Bonnie Best. A most profitable variety for early and main crop. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00.

John Baer (Regular Stock). Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00.

June Pink. For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters), this is the variety to plant. True strain seed. Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.50.

GLICK'S FAMOUS TOMATO SEED

Glicks Seeds are grown on Glicks Farms, where disease is unknown and entirely isolated from any commercial Tomato growing section. It is supervised on a strictly quality basis for planters of the better class, whose success is dependent on the very best seed that can be produced.

GLICKS IMPROVED MARGLOBE (*Penna. Certified*). Red Oxide treated. It is put up in 1-lb. sealed canisters at \$4.50 per lb.; also in pkts.: ½ lb. \$2.75, ¼ lb. \$1.75, oz. 50c., pkt. 15c.

GLICKS IMPROVED GROTHENS GLOBE (*Penna. Certified*). A second early Tomato well adapted to green wrap shipping; resembles Break o' Day, and is similarly disease resistant, but has a positive red color. Vines somewhat open and upright, with dense foliage; heavy producer; fruits medium large, globular, firm, solid; a desirable addition to shipping varieties. Red Oxide treated. 1-lb. sealed canisters at \$5.00, also in pkts., ½ lb. \$2.75, ¼ lb. \$1.75, oz. 50c., pkt. 15c.

GLICKS RUTGERS (*Penna. Certified*). Red Oxide treated. 1-lb. sealed canisters at \$5.00, also in pkts., ½ lb. \$2.75, ¼ lb. \$1.50, oz. 50c., pkt. 15c.



M.-S. EARLY WONDER

MAIN CROP TOMATOES

Marglobe. Regular stock. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Marglobe. (*Certified*). Plants vigorous and very productive, bearing a wonderful crop of uniformly globe-shaped deep scarlet, large fruits. Young fruits have a tendency to be of a somewhat oval shape. The skin is smooth and evenly colored from stem to blossom end. The interior of the fruits is solid, meaty and juicy. The flavor of the bright red flesh is delicious. Pkt. 10c., oz. 30c., ¼ lb. \$1.25, lb. \$3.50.

M.-S. BIG CHIEF. A grand main crop Tomato of the very highest quality. It produces an abundance of large, handsome red fruit which ripens clean to the stem and will bear heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M.-S. Big Chief vine. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.50, lb. \$5.00.

M.-S. IMPROVED NEW STONE. So well known that it needs no description. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00

Greater Baltimore (Regular Stock). Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

Rutgers (*Certified*). See page 2.

Market Champion. A fine large red Tomato that lives up to its name of being a Market Champion. Pkt. 10c., oz. 35c., ¼ lb. \$1.25, lb. \$4.50.

Ponderosa. A purple fruited Tomato of large size. Vine vigorous. Fruit very solid, fairly smooth and considered very good quality, especially by those who prefer a Tomato quite free from acid. This variety is more suitable for home use than for the market. Pkt. 10c., oz. 50c., ¼ lb. \$1.60, lb. \$6.00.

Beefsteak. It resembles Ponderosa in many ways, except that the fruits are a rich scarlet-red color. It is juicy, solid, and has a rich sub-acid flavor. Grown extensively by home gardeners. Pkt. 15c., ½ oz. 35c., oz. 55c.

Indiana Greater Baltimore Tomato. An improved strain of Greater Baltimore. Vine large, vigorous, somewhat open. Fruits flat but thick, deep scarlet, medium large, solid and firm. Highly desirable for canners and market gardeners. Wilt-resistant, 83 days from setting plants to marketable fruit. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.50.

Oxheart. A newer variety which positively is the largest Tomato ever introduced. The skin is purplish scarlet. It is smooth and evenly colored. The individual Tomatoes will weigh as much as 1½ lbs. each. The oxheart shape of the fruits is most distinct. They are extremely solid and have few seed cells, which accounts for their enormous weight. Pkt. 10c., ½ oz. 30c., oz. 50c., ¼ lb. \$1.75, lb. \$6.00.

PRESERVING VARIETIES

Golden Queen. Bright yellow, large and solid. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.50.

Yellow Pear-shaped. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.25

Yellow Plum-shaped. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.25.

Red Pear. Pear-shaped red. Pkt. 10c., ½ oz. 25c., oz. 40c.

Peach. Very small, pink fruit, with slight peach bloom on skin. Pkt. 10c., ½ oz. 25c., oz. 40c.

Husk, or Strawberry. Pkt. 10c., ½ oz. 30c., oz. 50c.

Red Cherry. Small, grows in clusters. Pkt. 10c., ½ oz. 30c., oz. 50c.



A FIELD OF
SPINACH NEW LONG STANDING BLOOMSDALE **TURNIP**

1 packet will sow 50 feet of drill, 15 to 20 lbs. to an acre

Culture—Sow in early Spring, in drills a foot apart, every 2 weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August and for Winter crop in September. Cover that which is left over Winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 ft. apart each way, 3 or 4 seeds in a hill. 45 to 55 days.

M.-S. Reselected Bloomsdale Savoy-leaved. The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 25c., 5 lbs. \$1.00, 100 lbs. \$11.00.

Dark Green Bloomsdale. A better and darker strain of the well-known Reselected Bloomsdale. Its darker color gives the plants a fresh appearance for a longer time after being cut than ordinary Bloomsdale. Though not quite so long-standing as our New Long Standing Bloomsdale it remains much longer in prime marketable condition than the old Savoy-leaved. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c., 5 lbs. \$1.25, 100 lbs. \$13.00.

Virginia Blight-resisting Bloomsdale Savoy. This strain is not as heavily crumpled and of lighter color than the Reselected Savoy. However in places where plants grown from Reselected Savoy seed show blight, this train has proven to give excellent results, being absolutely free from blight. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c., 5 lbs. \$1.25, 100 lbs. \$13.00.

Old Dominion. A blight resisting Long Standing Spinach for Fall sowing. Dark green leaves, which are well curled. Plants are compact and lay close to the ground. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$15.00.

New Long Standing Bloomsdale. A new strain of outstanding merit, that, although recently introduced, has already become a favorite with commercial growers on account of its splendid performance. It is almost as early and quick growing as the old Bloomsdale, but it will stand in marketable condition 10 to 14 days longer before going to seed. Intensely crumpled, blistered, very uniform. Color is a deep glossy green. Wherever Bloomsdale is grown, this improved strain will give far more satisfactory results. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c., 5 lbs. \$1.25, 100 lbs. \$14.00.

Jullana. Very long standing, heat resisting, handsome dark green. Very thick and curled leaves. Absolutely without male plants which is the cause of the long standing quality. Pkt. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., 5 lbs. \$1.50.

New Zealand. Of delightful flavor and practically everbearing. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Prices on larger quantities furnished on application

TOBACCO SEED

Adcock. One of the best tobaccos for poor land. The leaf is broad for its length; they are set well apart on the stalk, exposing a greater surface to the sun, resulting in a more uniform ripening and more even crop. Best adapted to light gray or sandy soils; cures bright.

Bonanza. A broadleaved bright tobacco that is especially adapted to the sandy soils of Maryland and Virginia. Easy to cure and makes a rich leaf of good weight and bright color.

Above varieties. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

1 packet for 100 feet, 2 pounds to the acre

Culture—For early use sow as soon as the ground opens in Spring in drills from 12 to 15 in. apart; thin out to 6 or 9 in. in the rows. For a succession, continue to sow in July and August. The Rutabagas are grown for feeding stock and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar, or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 in. of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring. From 50 to 75 days.

M.-S. EARLY CHAMPION TURNIP. This is the best Turnip for home gardens and market gardeners to plant. It is large, perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large) stays tender and sweet a long time. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Red, or Purple Top White Globe. A variety of decided merit and the most popular in our markets. Globular shape, very handsome and of superior quality. Is a heavy producer, early and of rapid growth and an excellent keeper. Besides being a first class table Turnip, it is also very good for stock. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. \$2.00.

Extra Early Purple Top Flat Strapleaved. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Golden Necklace Purple Top Rutabaga. Improved strain without neck. Tops rather short, but good sized root. Flesh deep yellow and fine grained. Best of all yellow sorts. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Improved Purple Top Rutabaga. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Purple Top Yellow Aberdeen. Medium size, round, pale yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Rutabaga in hardness and firmness of texture. This is an old, esteemed variety for stock. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White Egg. A quick growing, egg shaped variety. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

White Milan. Very early, pure white, sweet and tender. Short tops, flat. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Yellow, or Amber Globe. Excellent for table use or stock. Fine quality, keeps well. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Cow Horn. A long, white, Carrot shaped Turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Seven Top. Grown exclusively for its tops and when properly prepared and cooked, makes a fine dish. Withstands our Winter without any protection. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Shogoin (Japanese Salad Turnip). Resists insects and can be grown in hot weather; makes a Turnip 2 to 3 in. in diameter. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

WE PAY POSTAGE ON PKTS., OZS., $\frac{1}{4}$ LBS., AND LBS
See VEGETABLE PLANTS, next page

VEGETABLE PLANTS AND ROOTS

No Plants Sent C.O.D. We cannot send plants to restricted Japanese Beetle zones.

All of our plants are produced from our **M.-S. Sure Growing Seeds**, and will give wonderful results. If wanted in larger quantities, write for special quotations. The time when plants are ready is greatly controlled by the season, the specified time is the earliest date.

ARTICHOKES (Ready in April)

Jerusalem. Propagated by and for its tubers; used for the table and stock feeding. Qt. 35c., p.p. 45c.; peck \$1.50, p.p. \$1.75.

ASPARAGUS ROOTS (Ready Oct. 15 and March 1)

Two-year-old roots usually produce second year after planting.

2-Year-Old Roots Doz. 100 1000

Mary Washington (Dark green stalks) \$0.25 \$1.25 \$9.00

If wanted by mail, add 10c. to doz., 15c. to 100, 50c. to 1000

BORECOLE PLANTS (Ready July 1)

Doz. 20c., 100 75c.; by mail, add 5c. to doz., 15c. to 100.

BROCCOLI CALABRESE PLANTS (Ready May 15)

Doz. 25c., 100 \$1.50; by mail, add 5c. to doz., 10c. to 100.

BRUSSELS SPROUTS (Ready in July)

Matchless Improved. 12 for 25c., 100 75c., 1000 \$6.00; if wanted by mail, add 5c. to doz., 10c. to 100.

"FROST-PROOF" CABBAGE PLANTS

(Ready Feb. to May)

Early Jersey Wakefield, Charleston Wakefield, Succession, Large Late and Early Flat Dutch, Copenhagen Market, and Golden Acre

"Frost-proof" Onion Plants should be planted at the same time. Be sure to order some when ordering **"Frost-proof" Cabbage plants.**

Yellow Bermuda, Crystal Wax and Sweet Valencia
Prices—same as for Cabbage Plants. We will gladly mix an order of part Cabbage and part Onion plants to suit customer

"Frost-proof" Cabbage Plants should be planted at the same time. Be sure to order some when ordering **"Frost-proof" Onion Plants.** Prices of Cabbage and Onion Plants are identical.

By Parcel Post—Postpaid: 100 plants 50c., 500 plants \$1.25, 1000 plants \$2.25

By express—Express charges collect: 1,000 to 4,000 plants, \$1.50 per 1000; 5,000 to 9,000 plants, \$1.25 per 1000; 10,000 plants and over, \$1.00 per 1000

CABBAGE PLANTS (Ready April 15)

Early Flat Dutch and Jersey Wakefield. From hotbeds. Doz. 15c., 100 50c., 1000 \$3.00.

Late Flat Dutch and Savoy. Ready May 15th. Doz. 15c., 100 50c., 1000 \$3.00. If Cabbage Plants are wanted by mail, add 5c. to doz., 10c. to 100, 25c. to 1000.

GERMACO HOTKAPS



can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

1000 lots \$10.25, postpaid \$10.61, 5,000 lots at \$10.15 per 1000, 10,000 lots at \$10.05 per 1000. 250 trial package, including setter and tamper, \$3.85, postpaid \$4.02; Steel

Hotkap Setter and tamper, \$1.50, postpaid \$1.75.

If you need Hotkaps for your backyard garden, note these prices: 100, with Garden Setter \$2.65, postpaid \$2.80; Garden Setter alone 50c., postpaid 60c. Home Garden Package—25 Hotkaps and Setter, 50c., postpaid 60c.

CAULIFLOWER PLANTS (Ready April 15)

Snowball Variety Only. From hotbeds. Doz. 25c., 100 \$1.50. By mail, add 5c. to doz., 10c. to 100.

CELERY PLANTS (Ready in July)

Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-blanching. Doz. 25c., 100 75c., 1000 \$6.00. By mail, allow 5c. to doz., 10c. to 100.

CELERY BLEACHERS. See page 8.

EGGPLANTS (Potted) (Ready after May 1)

M.-S. Ebony King and Black Beauty. Each 7c., doz. 75c., 100 \$5.50. Best sent by express. By mail, add 2c. to each plant.

HORSERADISH ROOTS (Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings. Doz. 35c., 100 \$1.00, 1000 \$7.00. If wanted by mail, add 5c. to doz., 10c. to 100.

LETTUCE PLANTS (Ready April 15)

Belvedere, Big Boston, Iceberg. Doz. 10c., 100 50c., 1000 \$4.00. If wanted by mail, add 5c. to doz., 10c. to 100.

PEPPER PLANTS (Ready in May)

Large Sweet, Long Red Cayenne (Hot). Hotbed grown. Doz. 25c., 100 \$1.50; by mail, add 5c. to doz., 10c. to 100. Potted plants, **Large Sweet** only, each 6c., doz. 60c., 100 \$4.50, if to go by parcel post, add 1c. to each plant.

RHUBARB ROOTS (Ready October 15 and March 1)

Victoria. First size roots. Each 10c., doz. \$1.00, 100 \$7.50. If wanted by mail, allow 5c. to each, 20c. to doz.

SWEET POTATO PLANTS (Ready May 15)

Yellow Big Stem and Up Rivers. 100 50c., 1000 \$3.00. If wanted by mail, allow 8c. to 100, 25c. to 1000.

TOMATO PLANTS (Ready after April 15)

Pot-grown Plants, in the following varieties only: **Early Wonder, Bonnie Best, Chalk's Jewel.** Each 7c., doz. 75c., 100 \$5.50. By mail, add 1c. per plant.

Hotbed Plants. Bonnie Best, Marglobe, Big Chief. Doz. 20c., 100 60c., 1000 \$4.00. By mail, allow 5c. to doz., 15c. to 100, 40c. to 1000.

New Improved CEL-O-GLASS. Lasts twice as long.

Grow your own plants. Get earlier flowers and vegetables with Cel-O-Glass. Use the new improved Cel-O-Glass on your coldframes and hotbed sashes—for such important new uses as cylinders and cones for individual plants, and forcers for row plants and newly planted seeds.

Cel-O-Glass can be used where ordinary glass and cloth can't. And Cel-O-Glass is much lighter. Sashes are easier to handle. Not affected by hail, snow, rain or wind—and can't break like glass. Flexible. Easy to cut and use. Highly translucent. Lets in the ultra-violet rays of sunshine.

Cut any size from 1 running foot up. Per running foot: 28 in. wide, 30c.; 36 in. wide, 37c.; postage, 10c. for 1 running foot, 1c. extra for each additional running foot; 100 ft. rolls, 28 in. \$29.00; 36 in. \$36.00.

VIO-RAY (Glass Cloth)

Use in place of ordinary glass. Permits the ultra violet rays to enter, but effectively keeps out wind and rain; buildings will be from 10 to 12 degrees warmer when this material is used. 1 sq. yd. 23c., 10 sq. yds. or more, 20c. per sq. yd.; postage, 10c. for 1 sq. yd.; 1c. extra for each additional square yard.



MULCH PAPER

Bigger crop, better crop, earlier crop. No weeding.

Type B (Heavyweight)

Width	Length	Sq. ft.	Per roll
18 in.	450 ft.	675	\$1.50
36 in.	450 ft.	1,350	3.00

M.-S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses are wanted by Parcel Post, allow for postage. Prices on Grasses subject to market changes
Write for samples and prices in larger quantities

M.-S. Permanent Pasture Mixture. Either for low or up lands. It is made up of grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. When ordering state if for a low or up land. Price of either: 10 lbs. \$2.25; bus. of 30 lbs. \$6.00.

OTHER LAWN GRASS MIXTURES—Listed on second cover page.

Evergreen Lawn Grass. Composed of grasses and clover which make a quick, lasting lawn. Lb. 25c., 5 lbs. \$1.20, 10 lbs. \$2.25, bus. of 30 lbs. \$6.50.

M.-S. Pleasure Ground Mixture. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. Lb. 30c., 3 lbs. 85c., 5 lbs. \$1.30, 10 lbs. \$2.50, bushel of 30 lbs. \$7.00.

M.-S. Fairway Mixture. A mixture of grasses for fairways is to be preferred to any one grass and our fairway mixture will give splendid satisfaction wherever used. Lb. 30c., 3 lbs. 85c., 5 lbs. \$1.30, 10 lbs. \$2.50, 30 lbs. \$7.00.

Poa Trivialis (Shade Grass). For shady situations in parks and densely shaded lawns, this grass has no superior. It produces a firm and attractive turf where few other grasses can exist. A fine grass for dry ground under bay windows, overlapping roofs and shady side yards. Lb. 50c., 5 lbs. \$2.25.

Creeping Bent Grass. Especially adapted for putting greens and wherever a velvetlike lawn is wanted. Lb. 75c.

Italian Rye Grass. The ideal grass to sow in the Fall on crab grass infested lawns; it will quickly make them green. Lb. 20c., 5 lbs. 75c.

Blue Grass, Fancy Kentucky (*Poa pratensis*). Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bus. per acre on lawn, 2½ to 3 bus. on pasture fields (bus. 14 lbs.) Lb. 25c.

Timothy (*Phleum pratense*). Sow ½ bus. per acre alone; with clover, 1 peck (45 lbs. per bus.) Lb. 10c.

Crested Dogtail (*Cynosurus cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bus. per acre (21 lbs. per bus.) Lb. 50c.

English, or Perennial Rye Grass (*Lolium perenne*). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bus. per acre (20 lbs. per bus.) Lb. 15c.

Hard Fescue (*Festuca duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bus. per acre (12 lbs. per bus.) Lb. 50c.

Red Top Fancy Re-cleaned (*Agrostis vulgaris*). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bus.) Lb. 25c.

Chewings Fescue. Recommended for sandy soil. Lb. 60c.

Meadow Fescue (*Festuca pratensis*). Sow 40 to 50 lbs. per acre. (22 lbs. per bus.) Lb. 25c.

Red, or Creeping Fescue (*Festuca rubra*). Very valuable for sowing on sandy soil and in shaded places and putting greens, tennis courts, etc. Lb. 60c.

Orchard Grass (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. to bus.) Lb. 25c.

Broom Corn (*Sorghum vulgare*). Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long brush evergreen, which is made into brooms. (bus. 50 lbs.) Lb. 20c.

Kaffir Corn. Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bus. 56 lbs.) Lb. 10c.

Cow Peas (*Vigna catjang*). Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bus. per acre broadcast, 1 bus. in drills. We offer Black Whippoorwill, Gray, New Era, Black Eye and other leading varieties, also Mixed. Lb. 10c. Bus. price on request.

Soja Bean (*Glycine hispida*). Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks. All thrive well in our climate. Valuable for the South. Do not make good hay, but is good for ensilage or green fodder. Sow 1½ bus. per acre alone or ½ bus. Soja Beans with 1 bus. Cow Peas. Yields as high as 20 tons of green feed per acre. Lb. 10c. Quantity price on application.



M.-S. PERMANENT PASTURE MIXTURE MAKES A NUTRITIOUS
FOOD FOR CATTLE

Sudan Grass. A tall annual grass, growing 6 to 8 ft. high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 lbs. per acre in 3 ft. rows or broadcast at the rate of 10 to 20 lbs. per acre. Plant from March to August. Lb. 10c.

Peas, Canadian Field. Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bus. to acre; in drills, 2 bus. to acre (bus. 60 lbs.) Lb. 10c.

Golden Millet (*Panicum millaceum* var.) An improved variety, medium early, growing 3 to 5 ft. high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 lbs. broadcast to the acre (bus. 50 lbs.) Lb. 10c.

Japanese Buckwheat. In the locality of Baltimore this is sown anywhere from June 1st to July 15th; 1 bus. of 48 lbs. broadcast to the acre. Qt. 15c., peck 75c.

SORGHUM, OR SUGAR CANE

Ideal cattle food. Sow 1 or 2 bus. broadcast, 25 lbs. to the acre in drills (bus. 50 lbs.)

Early Amber. Grows 10 to 13 ft. high. Fine for cows, either green or cured. Lb. 10c.

Early Orange. Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb. 10c.

Sunflower, Large Russian. Lb. 15c.

VETCH

SPRING OR WINTER

Sand, Winter, or Hairy Vetch (*Vicia villosa*). Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows 3 to 4 ft. high and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow 50 lbs. to the acre. Price variable. Lb. 15c.

Spring vetch. Same as above, but not hardy; sow in Spring only. Lb. 10c.

RAPE

HAIRY VETCH

DWARF ESSEX, ENGLISH (*Brassica napus*). Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May and will be ready for pasturing in July and August. Or it may be sown in June or July and yet furnish a large amount of pasture or fodder. In drills, sow 5 lbs. to the acre; sown broadcast, 10 lbs. to the acre. Lb. 15c., 10 lbs. \$1.15.





PLANT OF ALFALFA, OR LUCERNE

CLOVER SEEDS

Write for samples
and prices in larger
quantities. Prices
subject to market
fluctuation



ALSIKE, OR HYBRID CLOVER

Alfalfa, or Lucerne (*Medicago sativa*). Requires deep, rich, well-drained soil. Roots very deeply, the tap root descending often to a depth of 10 or 15 ft. in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as Oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 lbs. to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial and several crops may be cut every year. Height 1 to 3 ft. We handle home as well as foreign grown Alfalfa. Lb. 40c.

Grimm Alfalfa (Certified). Lb. 45c.

Alsiike, or Hybrid Clover (*Trifolium hybridum*). A perennial, 1 to 3 ft. high; grows well in our locality and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Lb. 35c.

Japan Clover or Lespedeza. The original Lespedeza. Sow 20 lbs. to the acre on your poor land to bring it into condition to produce profitable crops. Once started it smothers broomsedge and other undesirable growths. 10 lbs. Japan Clover and 8 lbs. Herd's Grass will give a hay crop that may be grazed till frost. Lb. 25c.

Lespedeza sericea. The perennial Lespedeza, the South's foremost Legume, boasting of heavy yields on poor, acid soils. Large returns in seed and forage. Great improvement to soils. Resistance to droughts. Lb. 40c.

Due to constant market fluctuations, we cannot quote any kind of Clover, Soy Beans, Cow Peas and Grass Seeds in quantities. Prices on application

Red Clover (*Trifolium pratense*). One of the most valuable farm crops for pasture, hay or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 lbs. to the acre. Lb. 30c.

Mammoth Red, or Sapling Clover. Grows larger and lasts longer than the common red Clover; valuable for plowing under. 10 lbs. to the acre. Lb. 35c.

Crimson, or German Clover (*Trifolium incarnatum*). Erect annual, 1 to 2 ft. high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Lb. 15c.

White, or Dutch Clover. For lawns and pastures. $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 25c., lb. 45c.

White Sweet Clover (*Melilotus alba* or *Bokhara*). Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 ft. high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. Lb. 20c.

Leading Varieties of
SEED OATS, RYE, WHEAT, BARLEY, etc.
Prices and samples furnished on application

LEGUME-AID INOCULATION

The Best Inoculation for All Legume Seeds Means Better Crops,
Better Soils, Less Fertilizer Expense

For ALFALFA, CLOVER, BEANS, PEAS, VETCH, Etc.

LEGUME-AID is a culture of bacteria especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. **Legume-Aid** contains many millions of active, hardy legume bacteria, guaranteed to work.



Seeds of all legumes—Clovers, Alfalfa, Sweet Clover, Soy Beans, Lespedeza, Vetches, etc. will yield far better returns if inoculated with **LEGUME-AID** before planting, and in addition leave in the soil heavy deposits of valuable nitrogen, which benefits all succeeding crops. **LEGUME-AID** is crop insurance at very low cost and the results will repay the small effort involved beyond your expectations. **LEGUME-AID** is so easy to apply. It may be used without water and it does not clog up your seed drill.

All Prices Postpaid

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$\frac{1}{4}$ bushel.....	20c.
$\frac{1}{2}$ bushel.....	30c.
1 bushel.....	50c.
$2\frac{1}{2}$ bushel.....	\$1.00

Austrian Winter Peas and All Vetches

$\frac{1}{2}$ bushel.....	20c.
1 bushel.....	30c.
$1\frac{2}{3}$ bushel.....	50c.
5 bushel.....	\$1.00

Soy Beans, Cow Peas, Garden Peas, Beans

$\frac{1}{2}$ bushel.....	20c.
1 bushel.....	30c.
2 bushel.....	50c.
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Soy Beans Only

10 bushel.....	\$1.60
20 bushel.....	\$2.40

Special Garden Size Packet for Garden Peas, Beans, Sweet Peas and Lupins, 10c.

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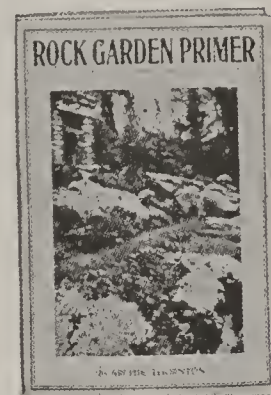
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HOW TO GROW ROSES

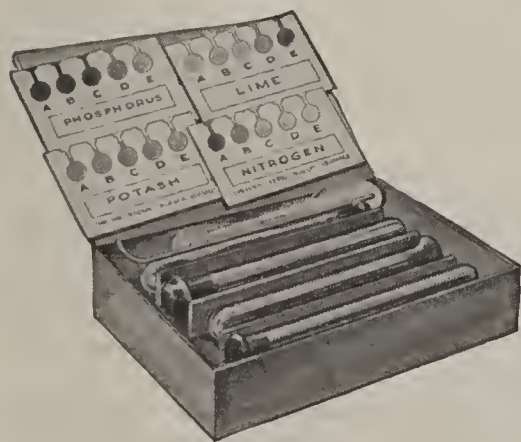
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soil to the requirements of your plants and grasses. No technical skill required, **Model C.** Complete with instructions and table of plant needs, \$1.50. **Model D.** This kit contains enough soil testing solutions to make 20 individual tests, \$2.00.

Testing Fluid for refill. Specify whether for nitrogen, phosphorus, potash, or acidity. 2 ozs. 75c., 6 ozs. \$1.50.

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Your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenskeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your

Makes instantly available the essential information you require for gardening success. You can make quick, practical tests which will show the acidity of your soil and any deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. Complete with instructions and table of plant needs, \$9.75.



HORTICULTURAL KIT

M.-S. RELIABLE FLOWER SEEDS

Sow the Seeds either broadcast or in rows, and *cover lightly*—a good general rule is to cover several times the size of the seeds and press the soil firmly. *Small seeds cannot come up if covered too deep.* Very fine seeds should be sown on the surface and *pressed into the soil.* To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray, do not let the soil dry out, do not keep the plants saturated, as they may damp off. When three or four leaves have formed, transplant 1 in. apart in boxes, or in the open ground if warm enough.

The Soil best suited to flowers is a light, rich loam, made as fine and smooth as possible. If heavy, mix with sand to lighten, and make it friable. Many seeds are very small and require a fine seed-bed.

HALF HARDY and TENDER FLOWERS should not be sown or transplanted outside until the weather is settled and warm.

HARD SHELLED SEEDS like Canna, Moonvines, Morning-glories should have a hole filed through the outer shell, or soaked in warm water 24 hours before planting.

FLOWERS FOR SPECIAL PURPOSES. To aid those not familiar with the uses to which flowers may be put, we have classified a few below. Where a variety is suitable for two uses, we have entered it in both lists. Note carefully the heights of the plants so that a proper selection may be made.

FOR BORDERS AND BEDDING.—6 to 12 inches high. Alyssum, Brachycome, Candytuft, Dusty-miller Centaurea, Daisy, Dianthus, Forget-me-not, Lobelia, Mignonette, Pansy, Bedding Petunia, Dwarf Phlox, Iceland Poppy, Pyrethrum, Portulaca, Verbena.

FOR BORDERS AND BEDDING.—1 to 2 feet high. Ageratum, Amaranthus, Antirrhinum or Snapdragon, Aquilegia or Columbine, Asters, Balsam, Begonia, Calendula, Calliopsis, Candytuft, Carnation, Clarkia, Chrysanthemum, Coleus, Centaurea, Cockscomb, Shasta Daisy, Dianthus or Pinks, Eschscholtzia, Gaillardia, Godetia, Heliotrope, Annual Larkspur, Marigold, Marvel of Peru, Mignonette, Dwarf Nasturtium, Petunia, Phlox, Poppy, Salpiglossis, Salvia, Scabiosa, Stokesia, Stocks, Sweet-william, Vinca, Wall-flower and Zinnia.

PLANT IN BOXES AND TRANSPLANT.—Ageratum, Aster, Calendula, Canterbury-

bells, Calliopsis, Chrysanthemum, Cockscomb, Cosmos, Godetia, Lobelia, Marigold, Marvel of Peru, Petunia, Pyrethrum, Ricinus, Salpiglossis, Salvia, Sensitive Plant, Stocks, Sweet-william and Verbena. These may also be planted where they are to grow.

FOR EDGING AND LOW BORDERS.—Alyssum, Brachycome, Candytuft, Dusty Miller Centaureas, Daisy, Forget-me-not, Ice Plant, Lobelia, Portulaca and Stocks.

FOR CUT FLOWERS.—Antirrhinum or Snapdragon, Alyssum, Aquilegia or Columbine, Aster, Calendula, Calliopsis, Candytuft, Carnation, Flowering Centaureas, Chrysanthemum, Cosmos, Dahlia, Shasta Daisy, Dianthus or Pinks, Eschscholtzia, Gaillardia, Gypsophila, Heliotrope, Marigold, Mignonette, Nasturtium, Rudbeckia, Salpiglossis, Scabiosa, Stokesia, Stocks, Miniature Sunflower, Sweet-sultan, Sweet-william, Sweet Peas and Zinnia.

FOR TALL BEDS, GROUPS AND BACK-GROUNDS.—Amaranthus, Calliopsis, Canna, Canterbury-bells, Tall and Plumed Cockscomb, Cosmos, Dahlia, Digitalis, Hollyhock, Kochia or Burning-bush, Perennial Larkspur, African Marigold, Nicotiana, Oriental Poppy, Evening Primrose, Ricinus, Salvia, Salpiglossis, Scabiosa, Stokesia, Sunflower, Woolflower and Zinnia.

FOR POTS, PORCH BOXES AND BASKETS.—Ageratum, Alyssum, Begonia, Dusty-miller Centaurea, Ice Plant, Lobelia, French Marigold, Tall and Dwarf Nasturtium, Nepeta, Oenothera, Petunia, Smilax, Stocks, Thunbergia, Vinca and Verbena.

FOR MOUNDS AND ROCKERIES.—Alyssum, Candytuft, Coleus, Dianthus, Gypsophila, Helianthemum, Heliotrope, Heuchera, Ice Plant, Lobelia, Mimulus, Pansy, Phlox, Portulaca, Saponaria, Smilax, Thunbergia, Verbena and Viola.

ALL FOLLOWING ARE ANNUALS

10 cents per packet unless otherwise noted

1. ACROCLINUM (Everlasting Flower). New large-flowered double hybrids. Height 18 in. Pkt. 10c.

2. AGERATUM (Floss Flower). An excellent plant for edging or solid effects. A continuous bloomer. **Imperial Dwarf Blue, Imperial Dwarf White or Mixed.** Pkt. 10c., oz. 75c.

3. ALYSSUM, Carpet of Snow. One of the most popular garden flowers, in bloom all season. Used for edging or in rockeries or vases. Pkt. 10c., oz. 75c.

4. Alyssum, Lilac Queen. A very pretty deep lavender lilac, of dwarf compact habit. 6 in. Pkt. 10c.

AMARANTHUS. Brilliant foliated annuals, growing from 3 to 5 ft. high. They thrive best in a hot, sunny location, not too rich soil, and given sufficient room to develop their full beauty.

5. Amaranthus, Combustion, dark foliage, red top; **Molten Fire,** brilliant Poinsettia-like tips (Erroneously called Summer Poinsettia). The most brilliant of this brilliant family. The foliage is bronzy crimson,

each branch terminating with a tuft of bright scarlet carmine leaves. Grows from 4 to 5 ft., according to the amount of moisture it obtains. It makes a very showy plant during the entire Summer months, culminating with the top turning red which resembles a Poinsettia.

6. Amaranthus tricolor splendens (Josephs-coat). An improvement on the old sort of more brilliant coloring. Pkt. 10c.

7. Amaranthus caudatus (Love-lies-bleeding). Has drooping crimson flower spikes. Pkt. 10c.

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid

8. **ARCTOTIS** (African Daisy) **grandis**. Bushy annual plants, producing the entire season, on long stems, large, blue-eyed, Daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac blue. 2 ft. Pkt. 10c.

9. **Arctotis hybrida**. This new variety of African Daisy is a most beautiful flower and easily grown. Height 12 in. The flowers come pink, scarlet, yellow and white, and have a dark disk in the center. The foliage is crested and fringed with the top of the leaves being green and the underneath silver. A truly wonderful cut flower. Pkt. 25c.

10. **ASPARAGUS plumosus nanus**. For house or conservatory decoration; extensively used by florists. Pkt. 25c., 100 seeds \$1.00.

11. **Asparagus sprengeri**. 100 seeds 25c., 1000 seeds \$1.25.

M.-S. SUPERB ASTERS

12. **Wilt-resisting American Beauty** Aster. The queen of all Asters. Far superior to Peony and branching varieties. In five colors: Lavender, crimson, dark blue, pink, and white, and all colors mixed. Each, pkt. 10c., oz. \$2.00.

13. **Sunshine Asters**. This pretty Anemone-flowered variety is of great value either in beds, borders or for cutting; plants grow about 18 in. high, the dainty flowers held erect on good stems. The mixture offered contains a splendid range of delicate colors. Pkt. 10c.

14. **Aster, Queen of the Market**. Very early. White, pink, lavender, scarlet, dark blue and choice mixed. Wilt-resistant. Each, pkt. 10c., oz. \$1.50.

15. **BALLOONVINE** (Love-in-a-puff). A rapid growing annual climber. Seed pods like miniature balloons. Pkt. 10c.

16. **BALSAM** (Ladyslipper). An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers. Colors: White, rose, scarlet, spotted, yellow and mixed. Each, pkt. 10c.

17. **BALSAMAPPLE** (Momordica). Handsome climbing annual bearing ornamental, orange colored fruit. Pkt. 10c.

18. **BEGONIA semperflorens**. Invaluable for bedding and pot culture; about 1 ft. high, beautiful foliage. Pink, white and crimson mixed. Pkt. 10c.

19. **Begonia gracilis, Prima Donna**. Pink. Pkt. 50c.

19a. **Begonia, Christmas Cheer**. Crimson scarlet. Pkt. 75c.

20. **Begonia gracilis luminosa**. Scarlet. Pkt. 50c.

Both of the above are for pot culture, producing compact plants that find ready sale.

20a. **BROWALLIA speciosa major**. Most desirable as a pot or basket plant; rich blue flowers. Pkt. 25c.

21. **BRACHYCOME** (Swan-river-daisy). A desirable hardy annual, blooming profusely the greater part of the Summer; small blue flowers resembling those of the Cineraria. 9 in. Pkt. 10c.

CALENDULA (Pot-marigold). Free flowering, showy annuals of easy culture, producing a fine effect in beds or mixed borders; valuable also for pot culture for Winter and Spring blooming. 1 ft.

22. **Calendula, Ball's Strain**. An extra long-stemmed, deep golden yellow used for forcing. Pkt. 40c., 1/4 oz. 75c., 1/2 oz. \$1.25, oz. \$2.00.



ASTER. WILT-RESISTING AMERICAN BEAUTY

22a. **CALENDULA, Orange Shaggy**. (New.) Closely set, irregularly placed, long, narrow petals, beautifully fringed or lacinated, giving the flowers the frilled or shaggy appearance of some Chrysanthemums. The large, flat, rich orange flowers shade slightly lighter toward the medium closed center, the two-tone coloring being quite effective. Flowers are borne profusely on long stems and its informal appearance and unusual form add to its decorative value when used for cut flowers.

23. **Radio**. A late English introduction; a distinct new break; flowers very full, petals quilled; color, rich glowing orange.

24. **Calendula, Meteor**. Yellow, striped orange. Pkt. 10c., oz. 50c.

25. **Calendula, Lemon Queen**. Lemon yellow. Pkt. 10c., oz. 50c.

26. **Calendula, Orange King**. Rich dark orange. Pkt. 10c., oz. 50c.

27. **Calendula, Mixed Colors**. Pkt. 10c., oz. 40c.



CALENDULA, ORANGE KING

CALIFORNIA POPPY. See **Eschscholtzia**.

28. **CALLIOPSIS**. A very showy annual in bloom from early Summer till frost. Single or double. All colors mixed. Pkt. 10c., oz. 50c.

28a. **CAMPANULA** (Canterbury-bell). **New Annual Single**. A new variety which blooms from seed in less than six months; plants grow from 2 to 2 1/2 ft. high and each plant produces from 6 to 8 spikes of bloom. Originator's stock seed in a selected mixture only. Pkt. 10c.

29. **CANDYTUFT**. Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Red, lavender, pink, crimson, white, and choice mixed. Pkt. 10c. oz. 40c.

30. **CANNA, Indian Shot**. Although these are generally planted from roots, they may be grown from seeds. Pkt. 10c., oz. 40c.

31. **CANARY BIRD VINE**. One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 10c., oz. 35c.

32. **CARNATION** (Marguerite). These are the most satisfactory of the annual Pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first Winter, they will revive the following Spring and bloom during that whole season. Pkt. 10c., oz. \$1.00.

33. **CARDINAL CLIMBER** (Ipomoea quamoclit hybrida). One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 ft.; it is densely clothed with palmlike, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1 1/4 in. across. Pkt. 10c.

34. **CENTAUREA cyanus** (Cornflower). Also known as Blue Bottle, Ragged-robin, Bachelor Button. An old favorite garden annual. Double blue, pink, white, and all colors mixed. Each, pkt. 10c., oz. 40c.

35. **CORNFLOWER, Jubilee Gem**. 1937 Novelty. Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. It has foliage distinct from all other Cornflowers, forming a tufted mass of bright green, contrasting well with the dark but vivid double blue flowers. The plant is about 12 in. in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. The grower for market will welcome it as a pot plant, as also will the amateur. As an edging plant, a border plant, or for ground work in formal beds of Roses, etc., it will be found admirable; it is a fine cut flower and, above all, it may be sown outside in the Autumn for Spring flowering, or in the Spring for Summer flowering, and at intervals if a continuous supply of plants are wanted. Pkt. 25c., 5 for \$1.00.

36. **Centaurea imperialis**, or **Sweet-sultan**. Gigantic, beautiful, sweet-scented flowers borne on long stems. Mixed. Pkt. 10c., oz. \$1.00.

37. CENTAUREA, Whiteleaved (Dusty-miller). Grown for their silver foliage; fine for edging and hanging baskets. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

38. CERASTIUM tomentosum (Snow-in-summer). Dwarf, white-leaved edging plant; flowers white. Pkt. 10c., oz. 40c.

39. CHRYSANTHEMUM (Painted Daisies). Plants 2 ft. high, bearing in profusion large, Daisylike flowers on good stems, and quite distinct from the hardy perennial and Autumn-flowering varieties. Mixed colors. Single or double. Each, pkt. 10c., oz. 50c.

40. CINERARIA. One of the most ornamental and useful plants for conservatory and house decorations. **Grandiflora Prize**, medium tall mixed. Pkt. 60c. and \$1.00.

41. Cineraria, Cremer's Prize Strain. Pkts. 75c. and \$1.50.

42. CLARKIA. One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through Midsummer to late Autumn. Average height $1\frac{1}{2}$ ft. Pkt. 10c.

CASTOR OIL BEAN. See *Ricinus*.

43. CELOSIA cristata (Crested Cockscomb). Very desirable annual of easy culture, large, comblike heads, excellent border plants, very good for pots. Red and mixed. Each, pkt. 10c., oz. \$1.00.



CELOSIA CRISTATA (Crested Cockscomb)

46. COBAEA scandens (Cup-and-saucer Vine). Well known climber of rapid growth, producing large, bell-shaped blossoms; in sowing place the seeds edgewise, and merely cover with light soil. Blue and white mixed. Pkt. 10c.

46a. CLEOME (Spider Plant). **Rose Queen**, showy, 4 ft. Pkt. 10c.

CONVOLVULUS. See *Morning-glory*.

47. COLEUS, Largeleaved Hybrids. Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkt. 25c.

47a. COSMOS, Sensation. Mammoth flowers, 4 to 5 in. in diameter, on long, strong stems. Blooms in 10 weeks from seeding; 4 ft. high. See illustration on front cover. **Pinkie**, rose pink; **Purity**, white; and **Mixed**. Each, pkt. 15c., 2 for 25c.

48. Cosmos, Orange Flare. The Gold Medal winner in an all American Flower 1934 contest. It is an early flowering strain, blooming in four months from seed; Marigold-like foliage, 2 to 3 ft. tall, bushy and deep brilliant orange in color; profuse bloomer. It is a wonder. Pkt. 10c.

49. Cosmos, Klondyke. Same as above, but a clear orange yellow. Pkt. 10c., oz. \$1.00.

50. Cosmos, Late Variety. Giant-flowering. **Lady Lennox Pink**, **Lady Lennox White**. A charming profuse bloomer. Crimson and mixed. Each, pkt. 10c., oz. 50c.

51. Cosmos, Early Summer-flowering. Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 ft. Profuse bloomer. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed. Each, pkt. 10c., oz. 50c.

52. Cosmos, Double-crested. Extra early flowering. This is an entirely new class of Cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white, crimson, and mixed. Each, pkt. 10c.

53. CYPRESSVINE (*Ipomoea quamoclit*). A very graceful annual climber, with feathery foliage and beautiful, starlike flowers. Scarlet, white, or mixed. Each, pkt. 10c., oz. 50c.

54. CYNOGLOSSUM (Chinese Forget-me-not). Of easiest culture, forming strong plants 18 to 24 in. high and producing through the Summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. Pkt. 10c., $\frac{1}{4}$ oz. 40c.

DAHLIAS (From Seed). There is no more fascinating flower to raise from seed than the Dahlia, for the results are a series of surprises.

55. Dahlia, California Giants. A selection from named varieties, grown by a celebrated producer in California. Pkt. 25c.

56. Dahlia, Unwin's Dwarf Hybrids. Graceful, semi-double flowers in many colors. Sow in March indoors and they will bloom by the end of June. Fine for bedding and cutting. Pkt. 25c.

57. DIANTHUS (China Pink). Red and Single mixed. Pkt. 10c.

58. Dianthus. Double mixed. Each, pkt. 10c., oz. 75c.

59. Dianthus, Sweet Wivelsfield. A hybrid cross between Dianthus and Sweet-william. Seed started in January and planted out in April, will flower in May and bloom all Summer in a variety of colors. Pkt. 10c.

60. DIMORPHOTHECA aurantiaca (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants with orange gold, Daisylike blooms on long stems. Pkt. 10c.

61. Dimorphothea aurantiaca hybrida. A splendid mixture of colors and shades. Pkt. 10c.

62. DIDISCUS (Laceflower). This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 in. high, and have as many as 50 flowers open at one time. Pkt. 10c.

63. DOLICHOS (Hyacinth-bean, or Texas Climber). Showy climber, making rapid growth. White, purple, or mixed. Each, pkt. 10c., oz. 25c.

64. ESCHSCHOLTZIA (California Poppy). An elegant hardy annual with fine cut foliage and large, Poppylike flowers; blooms from June till frost; fine for borders or large beds. Choice mixed. Pkt. 10c., oz. 60c.



COSMOS, ORANGE FLARE

44. Celosia plumosa (Feathered Cockscomb). Very decorative plant for the garden. The feather plumes are excellent for cutting. Can also be cut and dried for Winter use. Mixed colors. Pkt. 10c., oz. 60c.

45. CHINESE WOOLFLOWER (*Celosia childsi*). This is a unique form of the Feathered Cockscomb, growing 2 to 3 ft. high, each branch terminated with a large head of flowers that look as if made out of some silky wool material. Not only effective in beds or borders, but highly interesting and valuable for cutting, as they can be dried and retain their bright color for weeks. Mixed or scarlet. Each, pkt. 10c.



DIMORPHOTHECA AURANTIACA

65. EUPHORBIA (Snow-on-the-mountain). Plants with ornamental foliage, very showy and easily raised from seed. Pkt. 10c.

EVERLASTING or STRAWFLOWERS. See *Helichrysum*, *Acroclinium*, *Rhodanthe*, *Statice*, *Gomphrena*.

FOUR O'CLOCK. See *Marvel of Peru*.

66. GAILLARDIA, Indian Chief. A magnificent, large, single flower, dark brown center and showy, metallic red petals. 2 ft. high. Fine for garden display or cutting. Pkt. 10c., $\frac{1}{8}$ oz. 25c.

67. GAILLARDIA (Blanketflower). Single or Double. One of the best garden flowers, excellent for cutting. The large, highly-colored, Daisylike flowers appear continually during the season. Pkt. 10c., oz. 60c.

68. GODETIA (Satin Flower). Beautiful and easily grown, producing a profusion of flowers, satiny texture. Pkt. 10c.

69. GOMPHRENA (Globe-amaranth). (Everlasting Flower). Like Clover heads. Height 15 in. Used as dried flower makes splendid border plant. Red, purple and mixed. Each, pkt. 10c., $\frac{1}{8}$ oz. 25c.



LARKSPUR (ANNUAL DELPHINIUM)

70. GERANIUM zonale. Mixed; largest and finest varieties. Pkt. 10c.

71. GOURDS. Bird Nest, Cave Man's Club, Dishcloth or Luffa, Nest Egg, Hercules-club, Pear Shape, Mockorange, Sugar Trough, Calabash or Pipe Gourd, Spoon, Dipper, and Apple; also a general mixture. Rapid climbers. State kind wanted. Each, pkt. 10c., oz. 40c.

72. GYPSOPHILA (Babysbreath). Pretty free flowering plants of easy culture; excellent for cutting to mix with other flowers. White and rose. 2 ft. Pkt. 10c., oz. 50c.

HELIANTHUS. See *Sunflower*.

73. HELIOTROPE. A well known and highly prized plant on account of the delightful fragrance of the flowers. Excellent for pots or beds. Dark varieties and mixed. Pkt. 10c. and 25c.

74. HELICHRYSUM (Strawflower). One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried. Pink, crimson, yellow and mixed colors. Pkt. 10c., oz. 50c.

75. HUMULUS (Japanese Hop). A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. Pkt. 10c., oz. 50c.

76. HUNNEMANNIA (Giant Yellow Tulip Poppy). Height 2 ft. Pkt. 10c.

77. HOLLYHOCK, Single. Annual Mixed colors. Pkt. 10c.

HYACINTH-BEAN. See *Dolichos*.

IPOMOEA. See *Moonflower*.

78. ICEPLANT. Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice. Pkt. 10c.

79. IMPATIENS (Sultan's Balsam). **Holsti Hybrids.** A wide range of exquisite colors. Blooms continuously from Midsummer until frost; for outdoors and pot culture. 1 to 2 ft. Pkt. 15c.

80. KOCHIA (Summer Cypress, or Mexican Fire Bush). An easily grown annual, which grows into a Cypresslike hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color. 2 to 3 ft. Pkt. 10c., oz. 40c.

LACEFLOWER. See *Didiscus*.

81. LANTANA. Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble Verbenas; plants bloom all Summer. Red and orange shades, Dwarf Hybrids mixed. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

82. LUPINS. New miracle flowers (**Russell Lupins**). Bear enormous, symmetrical flower spikes 5 in. in diameter, 3 ft. in length; a mass of gorgeous colors in all shades of the rainbow showing no stem. Flowers keep well when cut. Can be grown most anywhere. Height $3\frac{1}{2}$ to 4 ft. Pkt. (12 seeds) 25c., 50 seeds 65c., in growers original packet.

83. LUPINS. Very desirable garden plants, showy, excellent for cutting. Graceful spikes, 2 ft. Pink, dark blue, light blue, white and mixed colors. Pkt. 10c., oz. 60c.

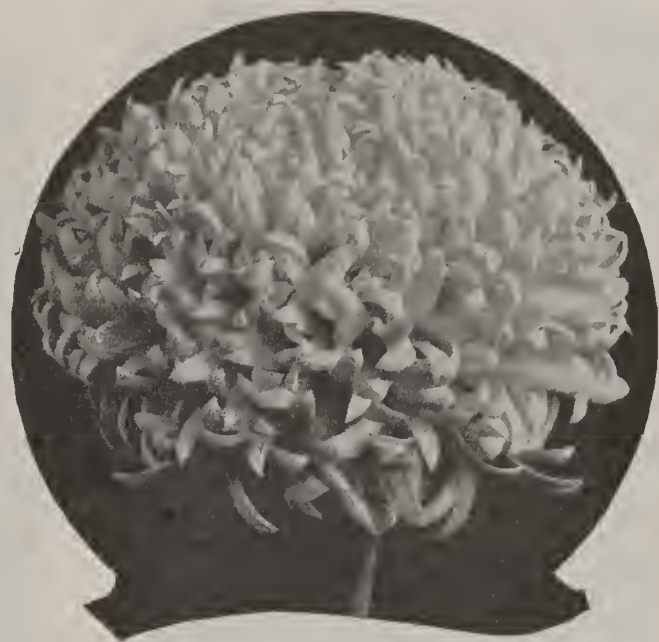
84. LOBELIA, Crystal Palace. No garden is complete without an edging of blue Lobelias. Very desirable for pots and hanging baskets. Pkt. 10c.

85. LARKSPUR or ANNUAL DELPHINIUM, Double Stock-flowered. Splendid annuals of easy culture. When sown early in Spring will produce blooming plants in July. Will bloom earlier when sown in autumn. White, light blue, dark blue, pink, and mixed. Each, pkt. 10c., oz. 75c.

86. Marigold, French, all colors mixed and **French Legion of Honor**, single, yellow blotched brown; **Golden Ball**, double; **Lemon Ball**; **Mahogany**, rich velvety mahogany brown. Each, pkt. 10c., oz. 60c.

87. Marigold, African Tall. Lemon Queen. Soft lemon yellow. **Orange Prince.** Golden orange and all colors mixed. Each, pkt. 10c., oz. \$1.00.

88. Marigold, Guinea Gold. A distinct type of Marigold; of graceful, pyramidal habit, growing 2 to $2\frac{1}{2}$ ft. high; flowers semi-double, 2 to $2\frac{1}{2}$ in. across. Wavy petals of a brilliant shade of orange and gold. Pkt. 10c.



MARIGOLD, DIXIE SUNSHINE

NOVELTY MARIGOLDS

89. Marigold, Yellow Supreme (New). Large, fluffy blooms which are sweetly scented. A fine companion to Guinea Gold. Flowers of dazzling lemon yellow color, nearly 3 in. in diameter. Pkt. 15c.

89a. Marigold, Harmony (Farbenklang). Dwarf French Double type; absolutely distinct in formation and color of flowers. The center is composed of golden orange disc petals that are fluted and deeply cut, and are so close together as to give the effect of a cushion. Surrounding the cushionlike center in collarlike fashion are four or five rows of outside petals of reddish brown, a lovely and brilliant contrast. Plants 10 to 12 in. high, come into bloom early and continue to flower most profusely until hard frost. Pkt. 15c.

90. Marigold, Dixie Sunshine. Award of Merit, 1936. All-America Seed Selections. Sensationally new and fascinating! The large, brilliant golden yellow flowers are ingeniously composed of dozens of tiny 5-petaled florets, gracefully interlocking, daintily fringed in effect and well set off by the lush green foliage of the bushy, rather tall, pyramidal plant. It is rather late, should be planted early indoors and set out when danger of frost is past. Makes a fine cut flower. Pkt. 15c.

90a. Marigold (Gigantea), Sunset Giants. An outstanding novelty for 1937. Here we have a showy, sweetly-scented, exceptional sized Marigold flowers averaging 5 in. in diameter, ranging in color from deep orange to lemon yellow, and a new, delightful shade of primrose; the flowers come about 65% double, plants are $3\frac{1}{2}$ to 4 ft. high, and start blooming about July 15th and will bloom profusely until frost. Sunset Giant is worthy of the showiest spot in any garden. Pkt. 25c., 5 for \$1.00. Color illustration on front cover.

90b. Crown of Gold (Collarette). A new kind of Marigold with a Chrysanthemum-like top or crown surrounded by a collar of big, broad, petals of the same color—bright golden orange. Crown of Gold is the only Marigold with entirely odorless foliage; the flowers are delightfully sweet scented. Plants grow about 2 ft. tall, bloom early, profusely and continuously all Summer and Fall. Pkt. 25c., 5 pkts. \$1.00.

91. MARVEL OF PERU (Four-o'clock). Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 ft. Pkt. 10c., oz. 30c.



NASTURTIIUM, GOLDEN GLEAM



PETUNIA, GIANTS OF CALIFORNIA



OENOTHERA

92. MESEMBRYANTHEMUM, Tricolor. A lovely little annual; splendid for the rockery, sunny bank, etc., with Daisy-like flowers showing a black disc in the center, which is surrounded with white ending into a brilliant scarlet. Pkt. 10c.

93. MIGNONETTE, Golden Machet. Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter. Large, reddish tinted, sweet scented flowers. Pkt. 10c., oz. 75c.

MOMORDICA. See Balsamapple.

94. MOONFLOWER (*Ipomoea noctiflora*). Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers and heavenly blue. Each, pkt. 10c., oz. 75c.

95. IMPERIAL JAPANESE MORNING-GLORIES. These are the handsomest of all Morning-glories. All colors mixed. Pkt. 10c., oz. 25c.

96. Heavenly Blue. Beautiful flowers of bright sky blue. Pkt. 10c.

MOURNING BRIDE. See Scabiosa.

97. NICOTIANA. Splendid, showy flowers on long, terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere. Pink, red, white and mixed colors. Each, pkt. 10c.

NIGELLA (Love-in-a-mist). Pretty plants, with finely cut green foliage and curious looking flowers and seed pods.

98. Nigella damascena. Blue and white mixed; double; 1 ft. Pkt. 10c.

99. Nigella, Miss Jekyll. Beautiful double flowers of a clear Cornflower blue; good for cutting. 18 in. Pkt. 10c.

100. OENOTHERA lamarckiana (Evening-primrose). Blooms from June until frost. The large, golden yellow, fragrant flowers open at dusk. 2 to 4 ft. tall. Pkt. 10c., ¼ oz. 25c.

NEW DOUBLE SWEET-SCENTED NASTURTIIUMS

101 Dwarf Globe (Globe Type Dwarf Plants, Giant Double Flowers, All Colors Mixed). The dwarf compact, globe-shaped plants are literally covered with many colored giant double and semi-double, long-stemmed, sweet-scented flowers. Indispensable for borders, pots, rock gardens and bedding; wonderful for cutting. In color they are extensively varied—dark-as-night mahogany, shades of maroon, blackish crimson, blood red, flaming scarlet, cerise, salmon-cerise, orange, salmon, salmon pink, rose, creamy white, canary yellow, golden yellow and many other shades and combinations of colors. Pkt. 10c., oz. 25c.

102. Scarlet Gleam. More dazzling in color than the showy Golden Gleam. The fiery orange scarlet flowers are fully double, very large, well formed and pleasingly sweet scented. The outstanding introduction for 1934. Gold and Silver Medal winner. Pkt. 10c., oz. 15c.

102a. Glorious Gleam Hybrid. This variety is a mixture of colors, which have been scientifically developed through line breeding and selection. Like the Golden Gleam and the Scarlet Gleam, the flowers are uniformly double, large, well formed and delightfully sweet-scented, with stems long and wiry bearing the numerous flowers well above the foliage. Pkt. 10c., oz. 15c.

103. Golden Gleam. Makes a vigorous, large bush and throws out a few short runners, covered with double, large, golden yellow, fragrant blooms. Pkt. 10c., oz. 15c.

NASTURTIIUMS, DWARF VARIETIES

104. Vesuvius. Salmon rose. These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom most profusely the whole season.

105. Chameleon. Produces various colors and markings on the same plant.

106. Empress of India. Dark-leaved, velvety dark scarlet flowers. Select flowers. Prices on all the above varieties:

Pkt. 10c., oz. 20c., ¼ lb. 60c.

V. 122. M.-S. Fancy Giant-flowering Mixed Dwarf. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

NASTURTIIUM, TALL VARIETIES

V. 105. M.-S. Tall Nasturtium, Mixed Colors. For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom early Summer until frost. Pkt. 10c., oz. 15c., ¼ lb. 30c., lb. 85c.

PETUNIAS

The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

107. Superbissima, Giants of California. Fringed and ruffled single. The best strain of giant, pot-grown Petunia, all selected from the finest new colors; hand pollinized and glasshouse grown. Fine for potting. Pkts. 25c. and 50c.

108. Grandiflora, Double Fringed Mixed. Selected and hybridized with the greatest care. Flowers large size, beautifully fringed and embracing the choicest colors. When transplanting Double Petunia it is very important to plant also the very smallest plants, as these as a rule produce the best double flowers. Pkt. 50c., 500 seeds \$1.50.

BEDDING AND WINDOW BOX VARIETIES

108a. Dainty Lady. All-America winner. Remarkable new yellow variety. Plants neat, compact, semi-dwarf, and free flowering. Blooms medium size, delicately fringed, color light golden yellow. Pkt. 25c., 75c. per large pkt.

109. M.-S. Fine Bedding Petunia. Very fine. Striped, blotched and all colors mixed. Pkt. 10c., oz. \$1.50.

110. Elk's Pride. Large size, deep royal purple. Pkts. 25c. and 75c.

110a. Flaming Velvet. A. Gold Medal, 1936 All-America Seed Selections. An exceptionally fine and desirable new Petunia of the Hybrid class with flowers of an unusual color—brilliant velvety blood red. The plants are neat, compact and free blooming, bearing a profusion of blooms throughout the Summer. Pkt. 15c.

111. Snowball. Pure white. Pkt. 10c., oz. \$1.75.

112. Rosy Morn. Pink. Pkt. 10c., oz. \$2.00.

112a. Rose of Heaven. A very effective rich and brilliant variety with luminous rose blooms. Pkt. 10c., ¼ oz. 75c.

113. Heavenly Blue. Silvery blue. Pkt. 15c., ⅛ oz. \$1.00.

PETUNIA NANA COMPACTA

A new strain of dwarf compact Petunias. Each plant forms a perfect ball. For pot culture, the rockery, and beds.

113a. Pink Gem. Plants 5 to 6 in. high, literally smothered with deep pink blooms. Pkt. 25c., and 75c.

113b. Nana compacta, Mixed. Plants 8 to 10 in. high and 12 in. across. Pkt. 15c. and 50c.

113c. Ruffled Martha Washington. New. A lovely novelty of dwarf, compact growth, 9 in. high, smothered with brilliant blooms, about 3 in. in diameter. The frilled portion of the flowers is a charming flesh pink and the center is strongly veined with wine red. Pkt. 25c.

114. Howard's Star. A beautiful variety; produces a profusion of crimson maroon flowers, each having a distinctive five-pointed white star. Single. Pkt. 10c., oz. \$1.50.

115. General Dodd. A rich, blood red; a splendid bedding variety. Pkt. 10c.

116. BALCONY PETUNIAS. A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire Summer until frost; the flowers are large, averaging 3 in. across. Blue, red, rose, white, and mixed colors. Each, pkt. 10c. and 40c.

SINGLE and DOUBLE POPPIES

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.

SINGLE POPPIES

117. M.-S. Shirley Poppies. A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors. Pkt. 10c., oz. 25c.

117a Flanders Poppy. This is the well known Poppy of Flanders field so often mentioned in songs and stories of the great War. Medium size, bright scarlet flowers. Very showy when planted in masses. Pkt. 10c., oz. 40c.

117b. Oriental Scarlet. A duplicate of the perennial type, but it is an annual, flowering profusely the first season. Pkt. 10c., oz. \$1.00.

DOUBLE POPPIES

118. Double-flowered Mixed Poppies. Immense double flowers, resembling a Peony; 2 ft. Pkt. 10c., oz. 30c.

YELLOW TULIP POPPY. See **Hunne-
mannia**.

119. PORTULACA, Single (Mexican Rose). Brilliant hardy annual, of easy culture; excellent for massing in beds or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. Pkt. 10c., oz. 75c.

120. Portulaca, Double. Pkt. 10c., ¼ oz. 50c.

121. PHLOX drummondii. Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, scarlet, lavender, yellow, violet with eye, scarlet with dark eye, and all colors mixed. Each, pkt. 10c., oz. \$1.50.

122. Phlox drummondii, Dwarf Cecily. 8 in. For rock gardens. Large flowering; mixed colors. Pkt. 10c.

123. RHODANTHE. Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed. Each, pkt. 10c.



SHIRLEY POPPY

RICINUS (Castor Oil Bean)

One of our best ornament-leaved annual plants, largely used for the center beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

124. New Ricinus or Castor Oil Plant, "Red Spire." The shapely bushy plants attain a height of about 6 ft., with pretty, palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the Summer and Autumn numerous spikes of flowers or seed pods 9 to 18 in. long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. Pkt. 10c., oz. 40c.

125. Ricinus zanzibariensis. Enormous leaves, varying in color from light green to purplish red. 12 ft. Pkt. 10c., oz. 25c.

126. Ricinus Gibsoni. Plants attain great dimensions, 12 to 14 ft. Leaves a beautiful blood red. Pkt. 10c., oz. 25c.



SALVIA SPLENDENS (SCARLET SAGE)

127. M.-S. Ricinus Mixture. Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 10c., oz. 20c.

128. SALVIA splendens (Scarlet Sage).. This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seed should be started either in the house from February till April or in hotbeds. Best bedder, beautiful scarlet flowers of immense size. Pkt. 10c., oz. \$1.50.

129. Salvia, Bonfire. Compact, bushy plants, 2 ft. high, producing innumerable, erect spikes of the most brilliant scarlet flowers. Height 2½ to 3 ft. Pkt. 10c., ¼ oz. 75c.

130. Salvia, America or Globe of Fire. Of dwarf, bushy, compact growth and very uniform in height and shape; spikes of brilliant scarlet flowers. Pkt. 25c., ¼ oz. \$1.50.



PHLOX DRUMMONDI

131. SALPIGLOSSIS (Painted Tongue). Very beautiful, hardy, annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop. Blue, rose, violet, red, purple, yellow, maroon and all colors mixed. Each, pkt. 10c.

132. SCABIOSA (Mourning Bride, Pin-cushion Flower, Egyptian Rose, etc.) Beautiful colored flowers, 2½ ft. high; fine for cut flowers. Pkt. 10c.

133. SCARLET RUNNER. Ornamental and useful climbing Beans. Pkt. 10c., oz. 15c.



SCABIOSA (MOURNING BRIDE)

134. SENSITIVEPLANT (Mimosa). A curious and interesting, half hardy annual, with pinkish flowers; leaves close when touched; 1½ ft. high. Pkt. 10c.

135. SMILAX. A well known greenhouse climber, with small, dark green foliage; of great value in floral work. Pkt. 10c., oz. 75c.

136. SCHIZANTHUS (Butterfly or Fringed Flower). Pkt. 10c.

137. STATICE. These have become quite popular, the flowers being used extensively by many of the leading florists, the seeds are supplied in the dried flower heads which may be started indoors or sown in the open when the weather gets warm, in any case, in order to secure satisfactory germination the flower heads should be placed in the soil on their sides; 18 in. All colors mixed. Each, pkt. 10c.

138. STOCK. Half hardy annual; fine for cutting, bedding or edging, also pot culture. Average 1 to 1½ ft. White, pink, yellow, crimson, light blue, dark blue, or all colors mixed. Each, pkt. 10c.

138a. Stock, Evening-scented. An old-fashioned favorite grown primarily for the entrancing fragrance of its pastel purplish lilac blooms. 18 in. high. It is most fragrant during the evening hours. Pkt. 10c.

STRAWFLOWER. See *Helichrysum*.

SUNFLOWER (Helianthus)

Well known annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

139. Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. Abundant bloomer; 4 ft. Pkt. 10c., oz. 40c.

140. Dwarf Double (Globe of Gold). Yellow flowers; 3 ft. Pkt. 10c., oz. 30c.

141. New Red. Extra large flowers, some of which are rich chestnut red, others tipped with yellow. Tall. Pkt. 10c., oz. 60c.

142. Russian Mammoth. Immense single yellow flowers on tall, heavy stalks; 6 ft. Pkt. 10c., oz. 15c.

143. STEVIA serrata. Free blooming plants for Summer or Winter, bearing a profusion of fragrant, white flowers. Fine for cutting; 2 ft. Pkt. 10c., large pkt. 30c.

144. THUNBERGIA (Black-eyed-susan). Beautiful; very ornamental climber. Pkt. 10c.

145. TORENIA fournieri. Showy annual, flowering all Summer; splendid for vases, hanging baskets or border; flowers sky blue with yellow center. 12 in. Pkts. 10c. and 40c.

146. VERBENA. Dwarf bedding plants for a gorgeous display during the Summer months; cannot be excelled. Commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. Scarlet white eye, white, scarlet, blue, pink, violet white eye, and all colors mixed. When ordering, state color wanted. Each pkt. 10c., oz. \$1.75.

147. VINCA (Madagascar Periwinkle). Dwarf bedding plants with deep green, glossy foliage and bright, single blossoms of striking beauty. Sow early. White with pink eye, white, pink, and all colors mixed. Pkt. 10c.

MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire Summer and Autumn; many of the varieties will be found useful for cutting.

148. Tall Sorts. Pkt. 10c., oz. 25c., ¼ lb. 60c., lb. \$2.00.

149. Dwarf Sorts. Growing from 12 to 18 in. high. Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.00.

M.-S. SELECT SWEET PEAS

For Sweet Pea Inoculation, see page 24.
All Sweet Peas Postpaid

HOW TO GROW SWEET PEAS

Use 1 oz. of seed to 25 ft. of row.

The soil for Sweet Peas should be rich and deep. A good rich loam with plenty of well rotted manure in it, is the ideal soil for raising good plants that will produce plenty of blooms of good substance. Considerable benefit has been noted from the use of Inoculating Culture. We can supply a special culture for Sweet Peas for 25c.—enough for any ordinary garden. They should be in a position fully exposed to the sunlight and air on both sides of row.

They should be sown as early in the season as the ground can be worked, which is usually between the middle of March and the middle of April in the latitude of Baltimore. It is best to make a trench or furrow about 6 in. deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above ground thin out to 2 to 4 in. apart; when planted too close they do not attain their full development. They should be staked up

either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 4 ft. high, and 5 ft. would be better. The flowers should be cut as often as possible to prevent the plants from running to seed, which would stop them from continuing in bloom.

V 123. M.-S. Superb Spencer Sweet Pea Mixture. This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

V 142. M.-S. Gilt-edge Mixture. Oz. 10c., ¼ lb. 25c., ½ lb. 40c., lb. 75c.

SEPARATE COLORS

166. Shirley Temple. There has never before been introduced a Sweet Pea so lovely in color, or so sweet with perfume, as that named after Hollywood's most popular cinema star, Shirley Temple. Colossal blooms of soft rose pink, beautiful beyond description on gigantic plants, strong and vigorous. Early flowering, it will bloom a month ahead of the Late Spencers and continue blooming longer. Pkt. 15c., ½ oz. 40c., oz. 75c.

167. Avalanche. Glistening large pure white.

168. Austin Frederick Improved. A beautiful, pure lavender.

169. Majestic Cream. This is a fine, rich deep cream.

170. Pinkie. Pinkie is a glorious rich, rose pink.

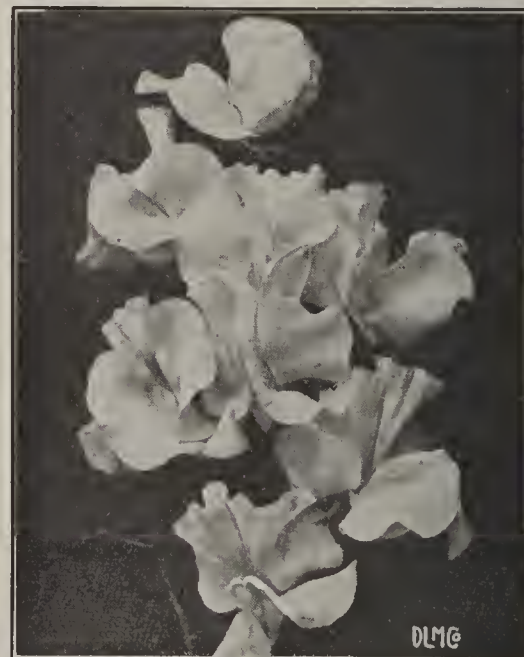
171. Reflection. Reflection is the best clear blue Sweet Pea.

172. Mrs. A. Searles. A delightful salmon cerise pink.

173. Sybil Henshaw. The largest crimson red.

174. Warrior. Giant maroon.

Price on all the above. Each: Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.



M.-S. WINTER-FLOWERING SPENCER SWEET PEAS

M.-S. WINTER-FLOWERING SPENCER SWEET PEAS

While these are especially adapted for forcing under glass for Winter and early Spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid-flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

175. Ramona. Salmon overlaid orange.

175a. Susanna. Large crimson scarlet.

176a. Christmas Triumph. Pink and white.

176b. Sweet Briar. Rose pink on white ground, touch of amber.

177. Ball's Blue. Clear blue.

178. Fragrance. Clear lavender.

179. Jeanne Mamitsch. Rose pink.

179a. Gloria. Salmon rose.

180. White Harmony. Best white.

All the above, or all colors mixed.

Each: Pkt. 10c., ¼ oz. 30c., oz. 60c.

HARDY SWEET PEAS. See No. 217



SWEET PEA SHIRLEY TEMPLE

M.-S. ZINNIAS

(YOUTH AND OLD AGE)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders, and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

M.-S. GIANT DAHLIA-FLOWERED ZINNIAS

Plants of vigorous habit, from 2½ to 3 ft. high; mammoth flowers 4 to 6 in. across and 2½ to 3 in. deep and so closely resembling decorative Dahlias that when placed by their side, it is difficult to distinguish one from the other. This new type is also valuable for growing under glass for cutting.

150. Canary Bird. Canary yellow.

151. Crimson Monarch. By far the largest and best of the red shades; plants very vigorous.

152. Dream. A fine deep lavender turning to purple; a new, desirable shade in Zinnias.

153. Exquisite. One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose center.

154. Golden Dawn. A very rich golden yellow.

155. Illumination. Bright deep pink.

156. Purple Prince. A fine, deep purple, large and well formed.

157. Oriole. One of the most beautiful of its class; an immense orange and gold bi-color, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named.

158. Polar Bear. A very large pure white; the best white yet seen in Zinnias.

Above varieties: Each, pkt. 10c., ⅛ oz. 25c., ¼ oz. 40c., oz. \$1.50

COLLECTION. 1 pkt. each of the 9 above sorts, 75c.

Including a 20-page, beautifully illustrated booklet on The Zinnia and Its Uses

159. FINEST MIXED D.-F. Containing a wonderful range of beautiful colors. Pkt. 10c., 3 for 25c.; oz. \$1.25.

159a. FANTASY ZINNIA, STAR DUST. Star Dust will be welcomed with enthusiasm. It has the same shaggy - petalled, medium sized flower as the mixture—a delicate, graceful bloom. The color is a rich deep golden yellow, one of the vibrant shades closely associated with Zinnias, while the very free flowering, 2½ to 3 ft. plants are early blooming, coming into flower from 45 to 50 days from the time of planting. Pkt. 20c., ⅛ oz. 40c., ¼ oz. 75c.

160. ZINNIA FANTASY, NEW CHRYSANTHEMUM-FLOWERED. The outstanding Zinnia novelty of 1935. The strikingly attractive and beautiful flowers are 3 in. in diameter, in the brilliant colors of the improved, large flowering sorts, and there are newer and unusual pastel shades. The flowers are borne on long, strong stems covering the well rounded



GIANT DAHLIA-FLOWERED ZINNIAS



ZINNIA, SCABIOSA-FLOWERING

bushy plants with color. The flowers keep well when cut. Picking the blooms freely causes the plants to branch and increases the production of flowers. Those forming at an angle are held in that position without drooping. The plants are quite free from insects and disease. They grow where any garden plant can be grown, doing best in full sun, but thrive also in partial shade. Does well under glass for cut flowers. Pkt. 15c., ⅛ oz. 30c., ¼ oz. 50c.

160a. ZINNIA, SCABIOSA-FLOWERING (1932 Novelty). This new Zinnia is entirely different to all other Zinnias. The plant reaches a height of 40 in. and flowers profusely. Its outstanding feature consists in the formation of the flower forming an outer ring of long petals, whereas the center shows many small flowers which at first sight have a great likeness with the Scabiosa. Mixed colors. Pkt. 15c.

161. DWARF DOUBLE ZINNIAS.

Compact bushes not over 2 ft. in height; Scarlet, Pink, Yellow, White, Lavender, and All Colors Mixed. Each, pkt. 10c., oz. 50c.

M.-S. CALIFORNIA GIANT ZINNIAS

Plants grow to a height of 3 to 4 ft. with immense, perfectly double, flat flowers; splendid for cutting or garden effect.

162a. Brightness. Bright pink.

162b. Daffodil. Canary yellow.

162c. Grenadier. Bright red.

162d. Lavender Queen. Deep rosy lavender.

162e. Purity. Best white in Zinnias.

Any of the above: Pkt. 10c., ⅛ oz. 25c. ¼ oz. 40c., oz. \$1.50; special, 1 pkt. of each, 40c.

163. California Giants Mixed. Pkt. 10c., ¼ oz. 35c., oz. \$1.25.

164. DOUBLE LILLIPUT or POMPON ZINNIAS. A very pretty type of compact habit not over 15 in. high, bearing in lavish profusion, small, densely double flowers on long stems, held well above the foliage. Make a good border or bed and are of more than usual value for cutting. Yellow, purple, pink, red, white, lilac, and all colors mixed. Each, pkt. 10c., oz. \$1.00; a pkt. of each separate color (6) colors 50c.

165. PUMILA PICOTEE DELIGHT ZINNIA. One of the best florists' cut flower Zinnias on the market. Flowers medium, petals curled, with picotee markings, plants 2-2½ ft. **Golden Ray**, golden orange; **Salmon Rose**, and **Finest Mixed**. Each, pkt. 15c., ⅛ oz. 30c., ¼ oz. 50c.

165a. ZINNIA LINERARIS. A new type, single golden orange with yellow stripe on each petal; fine for border or window boxes; 10 in. high; early; blooms profusely until frost. A neat compact plant. Pkt. 15c., 2 for 25c.

165b. ZINNIA GAILLARDIA FLOWERED. Another new type, mixed colors, ranging in pink, bronze, yellow, orange and lavender, mostly two-toned; 2 in. flowers. Fine for cutting; free-flowering; 2 ft. tall, producing flowers in 45 days from seeding. Pkt. 10c., ⅛ oz. 25c.



CHRYSANTHEMUM FLOWERED ZINNIA FANTASY



FOLLOWING ARE ALL PERENNIALS

Pkt. 10c., unless otherwise noted

CULTURAL DIRECTIONS FOR SOWING HARDY PERENNIAL FLOWER SEEDS

Perennial seed may be sown outdoors from May until September. A good, finely sifted soil, should be used, to which add some sand and granulated peat moss. It is absolutely necessary that a shaded location be selected, or if sown in a coldframe lath coverings or sash covered with burlap should be used. The soil must be kept moist at all times, therefore we deem it advisable to sow in this manner. If the soil should become dry for only a short period the seed would be destroyed.

A common mistake in sowing flower seeds is covering too deeply; as a general rule cover only to a depth of the thickness of the seeds.

Some seeds are of much slower germination than others, therefore it is wise not to be impatient. For instance, Hardy Primulas will often lie dormant in the ground for six months to a year; Columbines and other varieties of a like nature, two to three months. As soon as the plants are large enough to handle they should be transplanted to the permanent location in the perennial border or nursery rows.

181. ANCHUSA italica, Dropmore. 3 to 5 ft. high. Blooms May and June. Rich gentian blue. Pkt. 10c.

182. ANTHEMIS (Hardy Marguerite). A handsome, hardy perennial, bearing all Summer, Daisylke bright yellow flowers. Excellent for cutting. 2 ft. Pkt. 10c.

183. ACONITUM (Monkshood). Pkt. 10c.

184. ALYSSUM saxatile (Yellow) (Basket of Gold). For rock gardens. Pkt. 10c.

185. ANEMONE coronaria, St. Brigid Choice Double Mixed. Anemones are easily grown from seed, bloom early, when good cut flowers are scarce, and are perfectly hardy. Pkt. 10c.

185a. ARMERIA (Sea Pink, or Thrift) **formosa.** Bright colors, large, ball-shaped flowers, 16 in. Pkt. 15c.

186. ARABIS (Rockcress). Early Spring-flowering plants, especially adapted for edging and rockery; 6 in. high. Pure white blossom; flowers in May. Pkt. 10c.

187. PERENNIAL ASTER (Michaelmas Daisy). Pkt. 10c.

188. ANTIRRHINUM (Snapdragon). Rustproof. Semi-dwarf, 18 in. high, large flowers; excellent for bedding. To have flowers early, sow indoors during February and March. **Golden Queen**, golden yellow; **Purity**, white; **Indian Girl**, old gold; **Garnet**, velvety crimson; **Glowing Sunset**, scarlet; **Wild Fire**, bright orange; **All Colors Mixed.** Each, pkt. 10c., oz. \$1.00.

188a. ANTIRRHINUM (New Rust-proof Snapdragons). Tall, 24 in. high. This splendid new type of Snapdragons has proved to be 75% resistant to the destructive Antirrhinum rust. Pink, white, yellow, red, bronze, and mixed. Pkt. 10c.

188b. Best Forcing Varieties. **Lucky Strike**, white; **Ceylon Court**, yellow; **Sun Tan**, orange; **Rose Queen**, pink; **Terry Surprise**, rich rose shaded bronze. Pkt. 50c. and \$1.00.



CAMPANULA

189. CAMPANULA medium (Canterbury-bells). These are strictly biennials and require the following cultural directions. Sow from June 1st till September 1st; when strong enough, transplant to a distance of 6 in. apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single Cup-and-saucer blue, pink, white, or mixed, and double mixed. Each, pkt. 10c.

190. CANDYTUFT, PERENNIAL (Iberis). White and lilac. Each, pkt. 10c., ¼ oz. 80c.

190a. CARNATIONS, Hardy Border. Dwarf, compact plants with a great profusion of double flowers in various colors. Early flowering and invaluable for cutting. Will bloom first year if seed is sown early. Red, pink, white, yellow, and mixed. 1 ft. Pkt. 15c., special pkt. 50c.

191. CHINESE LANTERN PLANT. An ornamental plant, forming dense bushes about 2 ft. high, producing freely its bright orange scarlet, lanternlike fruits, which can be cut and dried for Winter bouquets; highly interesting. Pkt. 10c.

192. CHEIRANTHUS allionii (Siberian Wallflower). A biennial; brilliant orange flowers; 1 ft. For rock garden. Pkt. 10c.

193. COREOPSIS lanceolata grandiflora. A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole Summer months. Seed sown in March will flower the same season. Height 2½ ft. Pkt. 10c.

194. COLUMBINE, or AQUILEGIA. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such satisfaction. Orange and scarlet, blue, pink, and all shades mixed. Each, pkt. 10c.

Mrs. Scott Elliott Strain. Pkt. 25c.

195. DAISY, English Double (Bellis perennis). Seed should be sown from June 1st until September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 in. White, pink, crimson, and mixed. Each, pkt. 10c.

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid



GAILLARDIA

196. SHASTA DAISY. Very large; white single flowers on long stems. Pkt. 10c.

196a. SHASTA DAISY, Double. Fine for cutting, extra large. Pkt. 25c.

DELPHINIUM (Hardy Perennial Larkspur). Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower spike is cut back promptly it will branch and flower all through Fall.

197. Delphinium Bellamosum. Deep blue. Pkt. 10c., $\frac{1}{4}$ oz. \$1.00.

197a. Delphinium Belladonna. Light blue. Pkt. 10c., $\frac{1}{4}$ oz. \$1.00.

197b. Delphinium Iceberg. Pure white. Pkt. 10c., $\frac{1}{4}$ oz. \$1.00.

197c. Delphinium. Deep scarlet. Pkt. 10c., $\frac{1}{4}$ oz. \$1.50.

198. Prize Mixture of Tall Varieties. A glorious strain, comprising outstanding colors and varieties. Pkt. 10c., $\frac{1}{4}$ oz. 50c.

199. Wrexham Extra Double New Hybrid. Producing extra double flowers of large size. A fancy blending of light and dark shades. Pkt. 25c., and 50c.

200. M.-S. Hollyhock Strain. Producing one large spike with double and single flowers of enormous size. Light shades. Choice mixed. Pkt. 25c. and 50c.

201. DIANTHUS plumarius (Garden Pinks). These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border. Single or double; mixed. Pkt. 10c., $\frac{1}{4}$ oz. 40c.

202. Dianthus latifolius atrococcineus. Double, dwarf, pink shades, very free flowering; 1 ft. For rock garden. Pkt. 10c.

203. DIGITALIS (Foxglove). Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 ft. Purple, pink, salmon, spotted, white, yellow, and all colors mixed. Each, pkt. 10c., oz. \$1.00.

204. FLAX (Linum). Bright blue flowers. 24 in.; scarlet, 16 in.; yellow, 12 in. Each, pkt. 10c.

204a. FEVERFEW. Double white; fine for cut flowers. 18 in.

205. GEUM. Double flowers of intense orange scarlet; 2 ft. high; for sunny location. **Mrs. Bradshaw**, double scarlet; **Lady Stratheden**, golden yellow. Each, pkt. 10c.

206. GAILLARDIA. If sown early will bloom first season. Mixed colors. Pkt. 10c., oz. 90c.

207. GYPSOPHILA paniculata alba. White. Pkt. 10c., oz. 75c.

208. Gypsophila repens. A fine trailing plant, covered with tiny flowers; 8 in. For rock garden. White and light rose. Pkt. 10c.



DELPHINIUMS

209. HIBISCUS (Mallow). Bear showy flowers, are easily grown and should find a place in every garden. Mixed. 4 ft. Pkt. 10c.

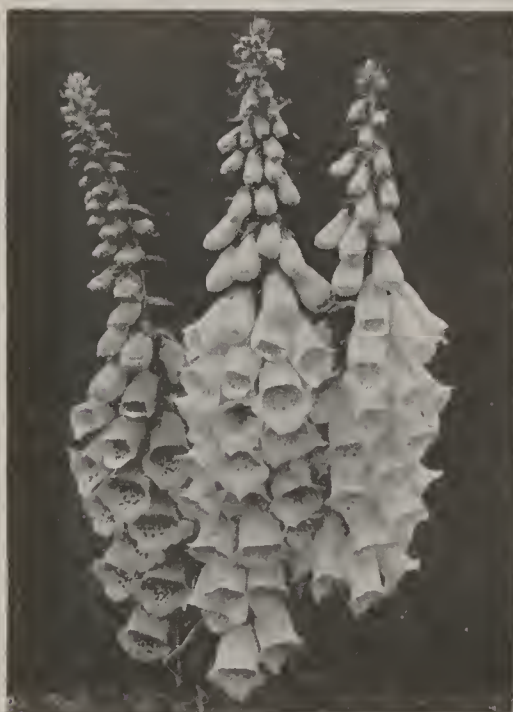
210. HEUCHERA sanguinea (Coralbells, or Alumroot). Perennial. Spikes of vivid crimson flowers; excellent for cutting; 1 ft. For rock gardens. Pkt. 10c.

211. HELIANTHEMUM mutabile (Rock-, or Sunrose). A very pretty perennial for the rockery; completely covered with masses of bloom from July to September. Choice mixed varieties. 12 in. For rock garden. Pkt. 10c.

212. HOLLYHOCK, Double.

Colorado Sunset copper, black, white, yellow, Newport pink, crimson, and mixed colors. Each, pkt. 10c., oz. \$1.25.

213. Hollyhock, Single. Choice colors, mixed. Each, pkt. 10c., oz. \$1.25.



DIGITALIS (Foxglove)



LUPINUS

213a. HONESTY. 2 ft. Hardy biennial, admired for its silvery seed pods which are used for ornamental purposes. Beautiful and curious mixed colors. Pkt. 10c.

214. HELIOPSIS pitcheriana (Orange Sunflower). A handsome hardy perennial, producing an abundance of deep orange yellow flowers the entire Summer, excellent for cutting; 3 to 4 ft. Each, pkt. 10c.

215. HELIANTHUS (Sunflower). Miniature double. 3 to 4 ft. Pkt. 10c.

216. KUDZU VINE (Pueraria thunbergiana). The Kudzu Vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth, and its handsome, purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year. Fine for arbors, verandas, etc. Pkt. 10c.

217. LATHYRUS latifolius (Perennial Sweet Pea). Showy, hardy climber; fine for covering walls and stumps. Free flowering. Pink, red, white and mixed colors. Each, pkt. 10c., oz. 75c.

218. LUPINUS. Hardy perennials of easy culture, with graceful spikes of pea-shaped flowers; May and June; 2 to 3 ft. Blue, pink, white and mixed colors. Each, pkt. 10c.

219. LAVENDER vera. Fragrant, blue flowers. Pkt. 10c.

MYOSOTIS (Forget-me-not). Beautiful, half hardy perennials, succeeding best in moist, shady situations. Sown in the Spring they will flower in the Fall; if wanted for early Spring flowering, seed should be sown in frames in July or August.

220. Myosotis alpestris. Of bushy habit, bearing large, bright blue flowers; very fine; 6 in. For rock garden. Pkt. 10c.

221. Myosotis palustris. Everblooming blue. Pkt. 30c.

221a. Myosotis grandiflora alba. Large white flowers; 8 in. Pkt. 15c.

221b. Myosotis grandiflora rosea. Large pink flowers; 8 in. Pkt. 15c.

222. NEPETA mussini. A favorite perennial; blue gray foliage; pale mauve flowers; 9 in. For rock garden. Pkt. 10c.

223. OENOTHERA missouriensis. Large, bright yellow flowers; 4 in. For rock garden. Pkt. 10c.



PANSIES

M.-S. PERFECTION PANSIES

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May, beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shade situations, open exposure.

224. M.-S. Giant Exhibition Pansies. A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture, and of the most brilliant colors. Pkt. 10c., oz. \$3.00.

225. Triumph of Giants. Flowers of great brilliancy and richness of coloring, including many new and rare shades. Florist strain. Pkt. 25c., 5 pkts. \$1.00., oz. \$6.00.

225a. Ball's Giant Mixed. Very large florist strain. Pkt. 50c. and \$1.00, oz. \$6.00.

226. Masterpiece (Frilled Pansy). Flowers beautifully curled or waved. Exquisite colors. Pkt. 10c.

226a. PENTSTEMON grandiflora, Mixed. A splendid mixture of flowering sorts in a good range of colors. Hardy. Pkt. 15c.

227. POPPIES orientale. Enormous flowers of deep flashing scarlet and mixed; 3 ft. Entirely hardy anywhere. Each, pkt. 10c.

228. POPPY, Mrs. Perry. Rich salmon pink. Pkt. 10c.

229. ICELAND POPPY. These dwarf, bright Poppies are most beautiful when grown in masses from seed sown every year. 1 ft. Single or double mixed. Pkt. 10c.

230. PHYSOSTEGIA (False-dragon-head). Very pretty, making dense bushes, bearing freely delicate, tubular flowers; 3 to 4 ft. July and August. Pink. Pkt. 10c.

231. PRIMULA veris, Mixed (Cowslip). Hardy Primroses are among the most prized of our Spring blooming plants; 1 to 1½ ft. high. Mixed colors. Pkt. 10c.

232. Primula (Primrose) obconica. Winter and Spring blooming pot plant. Pkts. 60c. and \$1.00.

233. PLATYCODON (Japanese Balloonflower). Blue, bell-shaped flowers, all season. 2 to 3 ft. Pkt. 10c.



STOKESIA (Cornflower Aster)

234. PYRETHRUM. Handsome hardy perennial plants for the herbaceous border. Single mixed and single and double. Each, pkt. 10c.

234a. Dark Red, Kelway Strain. Pkt. 15c., ¼ oz. \$1.00.

235. PHLOX, HARDY. For a gorgeous show these are the most satisfactory of all perennial plants. Mixed colors only. Pkt. 10c., ¼ oz. 50c.

236. RUDBECKIA (Coneflower) newmanni. One of the finest of Autumn-flowering perennials, bearing large flowers. Bright orange yellow petals surrounding a large black cone. Pkt. 10c.

237. Rudbeckia purpurea. Most interesting flower, producing all Summer, large, showy, reddish purple flowers. Pkt. 10c.

238. SALVIA azurea grandiflora. Producing spikes of sky blue flowers during August and September; 3 to 4 ft. Pkt. 15c.

239. STATICE latifolia (Sea-lavender). Purplish blue flowers; 2 ft. Splendid hardy perennials, either for the border or rockery, producing all Summer panicles of minute flowers, which can be dried and used for Winter bouquets. Pkt. 10c.

240. SAPONARIA ocymoides. A splendid plant for the rockery; rose colored flowers; 9 in.; for rock garden. Pkt. 10c.



VIOLA—JERSEY GEM



HARDY PHLOX

241. SCABIOSA. One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water. Lavender, white and mixed. 3 ft. Pkt. 10c.

242. Scabiosa, Isaac House Strain. An improvement on the above; larger flowers and longer stems; color, from soft lavender to dark blue. Mixed. Pkt. 25c.

243. SEDUM spectabile. Erect growing variety, broad, light green foliage; large heads of rose-colored flowers; 18 in. Pkt. 25c.

244. STOKESIA (Cornflower Aster). Blooms all Summer. Large, attractive flowers, resembling Asters; fine for cut flowers; 2 ft. high. Blue. Pkt. 10c.

245. SWEET ROCKET (Hesperis). Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant flowers. White, lavender and mixed; 2 to 3 ft. Each, pkt. 10c.

246. SWEET-WILLIAM (Dianthus barbatus). This is one of the finest of our hardy garden plants. Single scarlet, Newport pink, white, auricula-eyed, and all colors mixed and double mixed. Each, pkt. 10c., oz. 75c.

247. TRITOMA hybrida (Red Hot Poker, Flameflower, or Torchlily). Pkt. 10c.

248. VALERIANA (Garden Heliotrope). Hardy perennial border plants; large, fragrant flowers, odor resembling that of the Heliotrope; 2 to 3 ft. Mixed, red and white. Pkt. 10c.

249. VIOLET. D deservedly much in demand because of their profusion of bloom and delicate odor. **Blue Czar.** Single blue. Pkt. 10c.

250. VERONICA (Speedwell). Blue flowers, 1½ ft. high; June and July. Pkt. 10c.

251. VIOLAS, or TUFTED PANSIES. For rock garden. All colors mixed. Pkt. 10c., oz. \$2.50.

252. Viola, Jersey Gem. Possesses the dwarf habit and continuity of bloom of the Tufted Pansy, but is of more vigorous growth, making it one of the finest bedding varieties; color, rich violet, slightly perfumed. For rock garden. Pkt. 50c., large pkt. \$1.25.

253. WALLFLOWER. Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders. Single and double flowering finest mixed. Each, pkt. 10c.

WALLFLOWER, Siberian. See No. 192.

M.-S. SUPERB DAHLIAS

CULTURAL DIRECTIONS

Spade or plow the ground to a depth of about 10 in. As a fertilizer, use sheep manure and quick-acting bonemeal, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 in. deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 in. Every Dahlia should have from 2½ to 3 ft. space and at least 4 ft. between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

SIX NEW GIANT FLOWERING DAHLIAS for 1938

These varieties are six of the best ever offered. Especially fine for cut flowers or exhibition purposes. The cream of the Dahlia world.

- Alice Marie Galvin.** White, with faint tone of cameo-pink; a 12-in. flower. Exceptionally large flowering decorative variety..... \$0.50
- Eastland Sunbeam.** One of the finest Decorative deep cinnamon-red Dahlias grown, with large, showy flowers on long stems; an unusual shade... 1.00
- Jaurice.** A large purple-crimson Decorative, strong on the crimson, with fine long stems; very free-flowering; a wonderful cut flower..... .50
- Mable Goodacre.** Decorative. Soft pink and salmon, suffused with orange; a fine large flower..... .50
- White Wonder.** Large, clear white Decorative. Very fine..... .50
- W. H. T.** Decorative. Old rose-pink; a very beautiful shade and one of the freest flowering Dahlias grown; produced on long, fine stems..... .50



KEMP'S VIOLET WONDER

SPECIAL OFFER—One each of the six above Exhibition Dahlias, \$3.00.

DECORATIVE DAHLIAS

- 3 of any 25c. variety.....60c.
3 of any 35c. variety.....75c.
3 of any 50c. variety.....\$1.25

All postpaid

- Alice Green.** Golden Autumn shade...50c.
3 for \$1.25
- Alma Alexander.** Deep orange.....35c.
3 for 75c.
- Avalon.** A pure yellow....25c.; 3 for 60c.
- Bishop Francis Joseph Spellman.** Pure white; fine cut flower with long stems, large blooms.....75c.
- Charlotte Alexander.** White veined purple.....35c.
- Coquette.** Red and gold.....50c.
- Dad.** A large red.....50c.
- Eastern Star.** Yellow, gold shadings...35c.
- Elite Glory.** Brilliant red. Large...35c.
- Fordhook Victory.** Large, superb; deep pink in color.....50c.
- Jacquex Futrelle.** Clear lemon yellow...35c.
- Jane Cowl.** A blend of bronze, buff and gold.....25c.
- Jersey Beacon.** Chinese scarlet.....25c.
- Jersey Beauty.** True pink.....25c.
- Jersey Fiancee.** Superb large flowering Dahlias; rose-pink; free-flowering...50c.
- Jersey Triumph.** Large flowering, superb; bright copper, flushed salmon; very fine.....50c.
- Junior.** Large flowering standard; pure lavender.....25c.
- Kathleen Norris.** Immense blooms. Pure pink.....35c.
- Mrs. A. B. Seal.** Extra fine, superb, free-flowering; in color pure glowing old rose, shading to violet-rose.....50c.
- Margaret K. Alexander.** Buff yellow, large.....50c.

- Mrs. John T. Scheeper.** Large canary-yellow, tipped old rose; very fine....25c.
- Mrs. George Skeen.** Large, superb, on fine stems. Large shrimp-pink flowers. One of the best.....50c.
- Mrs. R. T. Edwards.** Exceptionally fine superb large flowering; unusual color pink, reverse plum. Very fine...50c.
- Mrs. Edna B. Champlin.** Superb large flowering, deep rhodamine pink; very large cut flowers.....50c.
- Mable Goodacre.** Large, exceptionally fine; soft pink and salmon, suffused with orange. A fine blossom.....50c.
- Nanaquaket.** Superb Amaranth pink. One of the best free-flowering and cut flower varieties grown.....50c.
- Pride of Fort Morgan.** Large, superb; crimson-red. Fine.....50c.
- Radio.** Red and yellow.....35c.
- Rocky Ledge.** Superb; one of the best yellow grown.....50c.
- Rose Alexander.** Orange tipped white...50c.
- Thomas Edison.** Beautiful royal purple...35c.
- Salem Pride.** Superb, rhodamine purple, flecked white; large beautiful flowers; one of the best varieties grown...25c.
- Sanhican's Peach.** Superb, California peach, with a clear peach-cheek glow...50c.
- Sanhican's Queen.** Superb. Very fine apricot and carmine rose.....50c.
- Somerset.** Beautiful, superb. Salmon and old gold shades. A fine flower...25c.
- Watchung Sunrise.** A beautiful golden amber and rose-pink.....50c.
- White King.** White, large.....35c.
- Yankee King.** Coppery rose.....35c.
- Yankee Queen.** A large fine pink, superb, with very fine stems.....50c.

SHOW or BALL DAHLIAS

- Jean Kerr.** Pure white; fine cut flower...25c.
A. D. Livoni. Pink; fine cut flowers...25c.
Maud Adams. Shell pink.....25c.
Mrs. C. D. Anderson. Deep garnet...25c.

CACTUS DAHLIAS

These nine, \$2.50 postpaid

- | | Each | 3 for |
|--|--------|--------|
| Chemar's Masterpiece. Orchid pink..... | \$0.40 | \$1.00 |
| Cigarette. Creamy white, tipped orange..... | .40 | 1.00 |
| Elkridge. A splendid white.... | .25 | .60 |
| Jersey Radiance. Glowing salmon..... | .25 | .60 |
| Kalif. Scarlet..... | .30 | .65 |
| Mrs. Ethel F. T. Smith. White shaded lemon..... | .25 | .60 |
| Roycroft. Golden bronze..... | .25 | .60 |
| Samuel T. Alexander. Japan rose..... | .50 | 1.25 |
| Sulphuria. Soft yellow..... | .35 | .75 |

POMPON DAHLIAS

Also called

BOUQUET DAHLIAS

These 7 \$1.25 postpaid

- Amber Queen.** Bright amber; good for cutting.
- Golden Queen.** Rich yellow.
- Jessica.** Amber tipped red.
- Lassie.** Yellow tipped rose.
- Little David.** Salmon scarlet.
- Raphael.** Maroon.
- Snow Clad.** White, profuse.

All the above, 25c. each, 3 for 60c.



SINGLE BEGONIA, TUBEROUS-ROOTED

BEGONIAS, Tuberous-rooted

Enormous, waxlike flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer about May 1st.

A most charming plant with beautiful foliage. We are offering single and double. Colors: Red, white, yellow, pink, salmon and mixed. Each 25c., doz. \$2.50, postpaid.

OXALIS

Valuable for edging, blooms all Summer. **Lasiandra.** Rosy pink, beautiful cut foliage. Mammoth bulbs, 30c. per doz., \$2.00 per 100, postpaid. Hardy perennial.

PERUVIAN DAFFODIL

(Ismene Calathina)

A grand Summer-flowering bulb with large Amaryllislike, pure white, fragrant blossoms. Keep the bulbs in a dry, warm place and plant out in June. Take up in October, rest a few weeks, and then pot for Winter flowering in the house. Each 25c., doz. \$2.50.

For postage, add 5c. each, 20c. per doz.

MONTBRETIAS

These are one of the brightest and most attractive of Summer-flowering bulbs and should be planted extensively. The bulbs should be planted out in the early Spring, in clumps of a dozen or more, placing the bulbs 3 to 6 in. apart. They should be protected during the Winter with a heavy covering of leaves or litter.

Fire King. Fiery red.

George Davison. In pure golden yellow.

Etoile de Feu. Vermilion, clear yellow center.

Doz. 75c., 100 \$5.00, 50 at 100 rate, postpaid

TUBEROSES

For postage, add 10c. per doz., 25c. per 100

Culture—One of the most fragrant and popular of the Summer-flowering bulbs. May be started early in hotbeds or pots or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them overnight in lukewarm water promotes rapid growth.

Double Pearl. One of the most delightfully fragrant and beautiful of the Summer-flowering bulbs. For flowering in the open, plant about the middle of May, or as soon as the ground becomes warm. Strong flowering bulbs. Doz. 40c., 100 \$2.75.

Mexican Everblooming. This charming single pure white variety begins to flower in July and continues throughout the season, each bulb throwing from 2 to 5 flower spikes in succession. Delightfully fragrant. Each 10c., doz. 60c., 100 \$4.00.

Variegated. This is an early single variety. White, the green leaves finely edged and striped with gold. Each 10c., doz. 60c., 100 \$4.00.



CANNA, THE PRESIDENT

M.-S. SUPERFINE CANNA BULBS

Culture—Canna tubers should not be put into the ground until the soil has become warm. Start indoors middle of March. They commence blooming in June and continue until frost. Every shoot bears flowers and these shoots are being constantly produced throughout the blooming season.

Note—Our prices are for dormant roots in strong divisions of 2 and 3 eyes. After May 1st, our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.

Hungaria. Plant dwarf and compact; flowers rich peach blossom pink; foliage green and very massive; height, 3½ ft.

Mme. Crozy. Scarlet, bordered golden yellow. Green foliage. 3 ft.

Richard Wallace. Large, showy, pure canary-yellow flowers carried on good stems. Green foliage. 4½ ft.

Yellow King Humbert. A sport from King Humbert and a majestic variety, with massive foliage; flowers golden yellow, dotted red; green foliage. 4½ ft.

Wintzer's Colossal. One of the largest flowering varieties. Bright scarlet. Green foliage. 5 ft.

The President. This splendid variety produces immense flowers of a rich, glowing scarlet; green foliage. 3½ ft.

Venus. Variegated cream and flesh colored. Green foliage. 3½ ft.

BRONZE FOLIAGE VARIETIES

King Humbert. Coppery scarlet flower and broad, deep bronze foliage. 4 ft.

Ambassador. Brilliant cherry-red flowers. Bronze foliage. 3½ ft.

Wyoming. Orange chrome red; bronze foliage. 6½ ft.

CANNA PLANTS in season, market price.

Prices on all varieties of Cannas. Each 5c., doz. 50c., 100 \$3.50.

For postage, add 10c. per doz., 25c. per 100

PERUVIAN DAFFODIL
(ISMENE CALANTHINA)**FANCY-LEAVED CALADIUMS**

Most attractive ornamental foliage plants of easy culture. Will do well out of doors in the open as well as in pots in a half-shaded exposure, with plenty of moisture and rich humus containing soil. Also as house plant or for conservatories, or in window boxes between ferns or small palms they give a very beautiful effect.

Nine Outstanding Varieties—which can be supplied in separate colors or mixed. 25c. each, \$2.50 per doz., postpaid.

CALADIUM (Elephants-ear)

As centerpieces of specimen in flower beds, Caladiums answer well.

Monster Bulbs. Each 15c., doz. \$1.50.

For postage, add 5c. each or 25c. per doz.

MADEIRA-VINE

Heart-shaped leaves, feathery flowers, delicious fragrance. Here is what you want if a quick growth is desired. Hardy in this latitude if protected with litter.

Roots. 10c., 3 for 25c., postpaid.



MONTBRETIAS

M.-S. SUPERFINE GLADIOLUS

GOLDEN GODDESS—New—See front cover page (Patented U. S. Plant Patent No. 77). This is a ten year ahead yellow. Golden Goddess has the best color, the most florets open at once (up to 16) the most buds (up to 26) and opens up perfectly to the tip bud. 35c. each, 3 for \$1.00, 12 for \$3.50, postpaid.

NOVELTY COLLECTION

Commander Koehl. A new introduction from Europe and one of the finest red varieties; flowers large on tall stems; color, brilliant scarlet blood red; grows well under all weather conditions.

Margaret Fulton. Rich deep salmon, shaded apricot in the throat. A gorgeous flower.

Maid of Orleans. Large white flowers with cream centers, perfect in form on straight spike. Excellent for cutting.

Minuet. This variety has created a sensation in the showroom for several seasons. Light lavender, with 4 to 6 large, heavy blooms open at one time.

Picardy. Clear flesh pink, quite unmarked, shading to soft shrimp pink at the petal edges, the most exquisite shade imaginable. The flowers are unusually wide and well-opened, often 6 in. or more across, and as many as ten of them in full glory at one time on the tall, straight spikes. It cuts well, keeps well, and increases rapidly. No other pink Gladiolus is more charming in color, or more satisfactory in habit.

Veilchenblau. First large violet-blue variety, a great favorite. Color suggests that of the Iris; lower petals have a darker blotch.

Price: M.-S. Novelty Collection

Consisting of 6 varieties—1 of each, 40c.; 2 of each (1 doz.) 75c.; 100, \$5.00—50 at 100 rate.

All the above separately, same price.

M.-S. GLADIOLUS COLLECTION No. 1

Aflame. Begonia rose edged with bright, orange flame.

Bagdad. Smoky old rose, deeper toward the edges and lighter in the throat. Very large flowers and many open at one time.

Betty Nuthall. One of the finest varieties of recent introduction; color, a soft tone of light salmon pink with pale orange throat.

Dr. F. E. Bennett. Shows up like "house-fire" in any collection. Bright scarlet, large flower.

Golden Dream. Clear deep yellow; long stems; a very fine new introduction.

La Paloma. A vivid, orange colored Gladiolus of large size. Splendid spikes for cutting.

Mme. Konynenburg. Light violet or lavender blue; early midseason; tall grower.

Mrs. F. C. Hornberger. Many Gladiolus have been described as snowy white, but very few of them have been without at least a faint overlay of ivory, or flushing of pink. This sort is really as white as new snow, with not even a throat marking. Fine, large, ruffled flowers on good spikes.

Mrs. Fred C. Peters. Gorgeously light blue with deeper markings, many flowers open on long stems.

Pfitzer's Triumph. Enormous blooms of bright salmon orange, with very small, deeper throat blotch; on account of the gigantic flowers, the stems require staking. Early. This variety is a sensation at all shows; ideal for exhibition purposes.

Mr. W. H. Phipps. La France pink, overlaid light rose salmon; one of the finest exhibition varieties.

Persia. Shiny, velvety dark maroon. Almost black.

Price. Collection No. 1

Consisting of 12 varieties, 60c. per doz., \$4.00 per 100—50 at 100 rate

All the above separately, same price.

OUR BULBS ARE 1½ INCHES AND UP

If to be sent by Parcel Post, add postage at 25c. per 100. Single Bulbs and dozens we deliver postpaid

Our list comprises the best of recent introductions as well as the most popular of the standard varieties. Plant bulbs 4 inches deep and from 8 to 10 inches apart.

M.-S. GIANT FLOWERING MIXED GLADIOLUS

Composed of all Named Varieties in gorgeous blending.

Doz. 35c., 100 \$2.00; 50 at 100 rate



MARGARET FULTON

M.-S. GLADIOLUS COLLECTION No. 2

Crimson Glow. A splendid dark red.

Flaming Sword. Beautiful bright red variety; early bloomer; 4 to 6 open at the same time.

Giant Nymph. Light pink, suffused with cream yellow; large flowers on strong spikes.

Gold Eagle. Extra early, deep rich yellow slightly ruffled.

Los Angeles. Choice salmon pink; large spike with many flowers. Tall stem.

Marmora. Extra large, lavender gray flowers with pale purplish blotch on long stems. 8 to 12 flowers open at one time. This is one of the finest varieties introduced so far.

Mrs. Francis King. Light scarlet, lower petals splashed deeper red. Tall spikes. Very popular.

Mrs. Frank Pendleton, Jr. The color is a delicately flushed salmon pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals.

Mrs. Leon Douglas. The giant of Gladiolus. Often reaches 6 ft. tall, with large flowers of choice rose pink.

Nancy Hanks. Rich apricot, shaded orange pink. Petals are of exceptional texture and substance, and the fine large flowers will not burn in Summer heat. A vigorous, robust grower.

Peace. Enormous pure white flowers with lilac feather on the lower petal.

Virginia. Wide open flowers of a bright, cheery Christmas red.

Price: Collection No. 2

Consisting of 12 varieties, 50c. per doz., \$3.00 per 100—50 at 100 rate

All the above separately, same price.

TIGRIDIA

(Shellflower)

Mexican bulbs producing showy, large, oddly shaped blooms of exotic beauty. Well suited to planting in the mixed border. Handle the same as Gladiolus. 18 in. high, flowering all Summer long. Each 20c., doz. \$2.00.

HYACINTH CANDICANS

Cape Hyacinth

A strong-growing, Summer-flowering variety of Hyacinth quite distinct from those which bloom in the Spring. Makes a strong stately flowerspike, 3 to 5 feet high, which bears from 20 to 30 pure white, bell-shaped blooms during the Summer and early Fall. It is hardy in our locality. Each 15c, doz. \$1.50.



TIGRIDIA—SHELL FLOWER

NURSERY DEPARTMENT

Hardy Potted Roses, Bedding Plants, Rock Garden Plants, Hardy Perennial Plants, Peonies, Iris, Hardy Decorative Flowering Shrubs, Hardy Evergreens, Azaleas, Etc., in quantities. Prices furnished on application. Estimates given on Landscaping, Lawn Making, Planting Flower Beds, Tree Trimming and Spraying

PERENNIAL ROCK GARDEN PLANTS

- Alyssum.** Yellow. 1 ft. April-May. Each 20c., doz. \$2.00.
- Anemone.** Various colors. 12 in. April, also Autumn flowering. Each 25c., doz. \$2.50.
- Bugleflower.** Blue or purple. 6 in. May-June. Each 25c., doz. \$2.50.
- Campanula, Carpathian.** Blue or white. 8 in. June to Oct. Each 25c., doz. \$2.50.
- Candytuft.** Lavender and white. 8 to 12 in. May-June. Each 25c., doz. \$2.50.
- Coralbells.** Red, pink, white. 12 to 18 in. April to June. Each 30c., doz. \$3.00.
- Cowslip.** Various colors. 6 to 8 in. April-May. Each 30c., doz. \$3.00.
- Daphne.** Pink. 1 to 2 ft. April-May. 8-10 in. plants. Each 75c.
- Dianthus.** Rose pink. 1 ft. May to October. Each 20c., doz. \$2.00.
- Dianthus deltoides albus.** White. 1 ft. June-July. Each 20c., doz. \$2.00.
- Dianthus alpinus.** Pink. 4 in. May-June. Each 40c., doz. \$4.00.
- Evening-primrose.** Yellow. 12 to 18 in. June to Sept. Each 25c., doz. \$2.50.
- Forget-me-not.** Blue. 6 in. May to October. Each 20c., doz. \$2.00.
- Globeflower.** Various shades orange and yellow. 18 to 24 in. May to July. Each 35c., doz. \$3.50.
- Iris.** Various colors. 4 to 6 in. April to May. Each 25c., doz. \$2.50.
- Lily-of-the-valley.** White. 8 in. April. Each 25c., doz. \$2.50.
- Liver-balsam.** Violet, red, white. 4 to 6 in. Each 30c., doz. \$3.00.
- Mountain Pink.** Compact, carpetlike habit. April-May. Each 20c., doz. \$2.00.
- Phlox divaricata.** Blue. 1 ft. May-June. Each 25c., doz. \$2.50.
- Phlox, Moss.** White, lilac, pink, blue. 4 in. April-May. Each 25c., doz. \$2.50.
- Rockcress, Arabis.** White. 8 in. April-May. Each 25c., doz. \$2.50.
- St. Johnswort.** Golden yellow. 18 to 24 in. Late Summer. Each 40c., doz. \$4.00.
- Sedum.** Yellow, pink, white. 2 to 3 in. May to August. Each 20c., doz. \$2.00.
- Snow-in-summer.** White. 6 in. May-June. Each 25c., doz. \$2.50.
- Sweet Lavender.** 18 to 20 in. July to September. Each 25c., doz. \$2.50.
- Thrift.** Various colors. 12 to 18 in. May-June. Each 25c., doz. \$2.50.
- Thyme.** Pink or red. 10 to 12 in. July. Each 25c., doz. \$2.50.
- Veronica.** Blue. 12 in. July-August. Each 25c., doz. \$2.50.
- Viola (Tufted Pansy).** Blue, white, yellow. 5 in. All Summer. Each 25c., doz. \$2.50.
- Yarrow.** Yellow. 8 to 10 in. June to August. Each 25c., doz. \$3.00.

PERENNIAL PLANTS FOR BORDER AND BED

- Anchusa.** Blue. 3 to 5 ft. June-July. Each 25c., doz. \$2.50.
- Aster.** Lavender, pink, white. 4 to 5 ft. August to October. Each 25c., doz. \$2.50.
- Babysbreath.** White. 2 ft. June-July. Each 20c., doz. \$2.00.
- Beardtongue.** Pink, blue, red. 2 to 3 ft. Summer. Each 30c., doz. \$3.00.
- Bergamot.** Many pretty shades. 2 to 3 ft. July. Each 20c., doz. \$2.00.
- Black-eyed-susan.** Yellow. 2 ft. July-August. Each 20c., doz. \$2.00.
- Bleedingheart.** Pink. 18 in. May-June. Each 30c., doz. \$3.00.
- Canterbury-bells.** Pink, blue or white. 2 ft. June. Each 25c., doz. \$2.50.

- Chrysanthemum hybridum.** Various colors. 2 to 3 ft. September-October. 2¼ in. pots. Each 20c., doz. \$2.00.
- Chrysanthemum, Korean Hybrids.** Various colors. Each 35c., doz. \$3.50.
- Columbine.** Various colors. 2 ft. May-June. Each 25c., doz. \$2.50.
- Coralbells.** Red. 12 to 18 in. June to September. Each 30c., doz. \$3.00.
- Coreopsis.** Yellow. 2½ ft. July-August. Each 20c., doz. \$2.00.
- Daylily.** Yellow. 2 to 3 ft. May. Each 35c., doz. \$3.50.
- Delphinium.** Various colors. 3 to 4 ft. June to Oct. Each 25c., doz. \$2.50.
- Flax.** Light blue. 1½ ft. May to August. Each 20c., doz. \$2.00.
- Foxglove.** Yellow, white, pink, purple. 2 to 3 ft. June-July. Each 25c., doz. \$2.50.
- Gaillardia.** Yellow and red. 18 in. May to October. Each 25c., doz. \$2.50.
- Gayfeather.** Purple. 4 to 5 ft. Summer. Each 25c., doz. \$2.50.
- Geum.** Red and yellow. 18 in. June to September. Each 25c., doz. \$2.00.
- Hollyhock.** Double. Maroon, pink, white, yellow, red. 5 to 6 ft. July-August. Each 25c., doz. \$2.50.
- Iris, German.** Various colors. 2 to 3½ ft. May-June. Each 25c., doz. \$2.50.
- Iris, Japanese.** Various colors. 2 ft. July. Each 30c., doz. \$2.50.
- Meadowrue.** Rosy purple or white. 2 to 3 ft. June-July. Each 25c., doz. \$2.50.
- Peony.** Pink, white, red. 2 to 3 ft. May to June. Each 30c., doz. \$3.00.
- Phlox.** Various colors. 2 to 3 ft. July-August. Each 25c., doz. \$2.50.
- Pinks.** Double and single. Pink, white, red all season. 1 ft. Each 20c., doz. \$2.00.
- Poppy, Oriental.** Red, pink. 3 ft. May to June. Each 25c., doz. \$2.50.
- Sage.** Light or dark blue. 3 to 4 ft. Sept.-Oct. Each 25c., doz. \$2.50.
- Shasta Daisy.** Large white. 2 ft. June-July. Each 20c., doz. \$2.00.

- Sneezeweed.** Bronze or yellow. 3 to 5 ft. July to September. Each 25c., doz. \$2.50.
- Stokesia.** White, blue. 18 in. July-August. Each 25c., doz. \$2.50.
- Sweet Pea.** White, crimson pink. 4 to 8 ft. June to Sept. Each 25c., doz. \$2.50.
- Sweet-william.** Various colors. 2 ft. June. Each 20c., doz. \$2.00.
- Tritoma.** Orange red. 2 to 3 ft. August. Each 20c., doz. \$2.00.
- Veronica.** Blue. 1½ ft. June-July. Each 30c., doz. \$3.00.
- Yucca.** Large white spikes. Each 20c., doz. \$2.00.

HARDY EVERGREEN FLOWERING SHRUBS

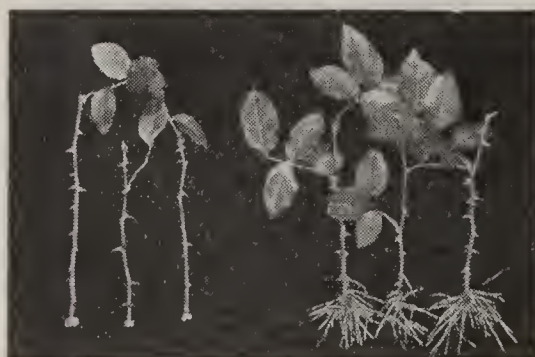
- Azalea hinodegiri.** The most popular one; dense clusters of bright fiery red flowers, 12 in. high. \$1.00 each, 12 to 15 in. \$1.75.
- Pyracantha (Firethorn).** 6 ft. White flowers in late Spring, followed by brilliant orange-scarlet berries, lasting into the Winter. 2 to 3 ft. \$3.00.
- Rhododendrons.** In different varieties and sizes. Prices on application.

SHRUBS

- Althea (Rose-of-Sharon).** Double red, purple, white and white with red center. 2 to 3 ft. 50c.
- Bridalwreath.** 2 to 3 ft. 50c.
- Butterflybush.** 2 to 3 ft. 50c.
- Buttonbush (Cephalanthus occidentalis).** Round balls of creamy white flowers produced in abundance from July to September. Large, showy foliage. Grows 8-12 ft. 18-24 in. Each 35c.
- Christmasberry (Photinia villosa).** Beautiful white flowers in June with a great profusion of brilliant red berries which hang on until well after Christmas. Grows 12-15 ft. 2-3 ft. Each 75c.
- Coralberry (Symphoricarpos vulgaris).** Slender, arching shrub bearing bunches of bright coral pink berries which hang on almost all Winter. Grows 4-5 ft. 2-3 ft. Each 35c.
- Golden Bell, Fortune.** 3 to 4 ft. 50c.
- Hydrangea paniculata.** 2 to 3 ft. 50c.
- Jetbead (Rhodotypos kerrioides).** Pretty white flowers in May and June, attractive foliage. Literally covered with shining black berries during the Winter. Grows 4-5 ft. 2-3 ft., each 35c.
- Lilac, Common.** 2 to 3 ft. 50c.
- Lilac, French.** 2 to 3 ft. 75c.
- Pachysandra.** An evergreen trailing plant with glossy foliage, forming a dense mat, one of the finest ground covers. Strong plants, doz. \$2.00, postpaid, doz. \$2.20.
- Pearlbush (Exochorda grandiflora).** Handsome clusters of white flowers in May. Very bushy in habit. Grows 8-10 ft. 2-3 ft., each 35c.
- Periwinkle (Trailing Myrtle).** An excellent dwarf evergreen trailing plant. Used for covering the ground under shrubs or on graves. Will grow in dense shade. Each 15c., doz. \$1.50.
- Snowball, Common.** 2 to 3 ft. 75c.
- Snowball, Japanese.** 2 to 3 ft. 75c.

HORMODIN

"The Root Forming Chemical"



Not treated

Treated

"Hormodin" is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. It has wide-spread use in propagating cuttings, whether rooted with ease, or normally rooted with difficulty. Many cuttings formerly impossible to propagate may now be rooted with the aid of Hormodin. Size 20, B. T. I. units. Will treat up to 600 cuttings, \$1.00; Size 60, \$2.00; Size 240, \$7.00; Size 480, \$13.00; Size 960, \$24.00. All postpaid. Descriptive circular on request.

Auxilin. A root-forming chemical. 1/6 oz. will treat up to 600 cuttings, 50c.; ½ oz. \$1.00, 3½ oz. \$3.00, 8 oz. \$12.00, postpaid.

Mr. T. A. Van Sant, 4321 Garrison Blvd., writes:

"Results obtain from the use of your M-S Plant Food were astounding."

SHRUBS—Continued

Snowberry (*Symphoricarpos racemosus*). Tiny pink flowers in June followed in the Autumn with a profusion of snow white berries which hang on until late Winter. Grows 4-5 ft. 2-3 ft., each 35c.

Sumac, Fragrant (*Rhus canadensis*). Showy yellow flowers in Spring and sweet-scented leaves. Bunches of coral red fruit in Summer. Grows 4-5 ft. 2-3 ft., each 60c.

Sweet-scented Shrubs. 2 to 3 ft. 60c.
Weigela. One of the most conspicuous shrubs cultivated; flower either red or pink, dwarf, adapted to lawns or gardens. 2-3 ft., each 50c.

Winged Euonymus (*E. alatus*). Very bushy shrub with corky bark and large leaves, turning to deep crimson in Autumn. Grows 8-10 ft. 2-3 ft., each 60c.

Morrow Honeysuckle (*Lonicera morrowi*). Tiny, deliciously scented waxen flowers in early Spring before leaves unfold; profusion of bright red berries in early Autumn. Grows 6-8 ft. 3 to 4 ft., 75c. each.

FLOWERING TREES

Dogwood, White. 3-4 ft. \$1.50 each.

Dogwood, Red. 2-3 ft. \$2.00 each.

Peach, Doubleflowering Pink. 4-5 ft. \$1.25 each.

Almond, Double Pink. 2-3 ft. \$1.00 each.
Other Flowering Trees on application.

HEDGES

New Red Barberry. 10 to 12 in. each 30c., doz. \$3.00; 18 to 24 in., each 40c., doz. \$4.00; 2½ to 3 ft., each 50c., doz. \$5.00.

Japan Barberry. 15 to 18 in., each 20c., doz. \$2.00; 18 to 24 in., each 25c., doz. \$2.50.

California Privet. 12 to 18 in., 2 yr., 3 branches and up, 10 for 50c.; 18 to 24 in., 3 yr., 4 branches and up, 10 for 75c.

SHADE TREES

Catalpa bungei (Umbrella Tree). 5-6 ft. stem, 2 yr. head, heavy. \$1.25 each.

Elm, American. 10 to 12 ft., 1¼ to 2 in. caliper. \$1.50 each.

Maple, Norway. 8-10 ft., 1 to 1¼ in. caliper. \$2.50 each.

Maple, Red. 8-10 ft., 1 to 1¼ in. caliper. \$2.50 each.

Maple, Silver. 8-10 ft., 1 to 1½ in. caliper. \$2.00 each.

Maple, Sugar. 8-10 ft., 1 to 1¼ in. caliper. \$2.50 each.

Oriental Plane. 8-10 ft., 1 to 1¼ in. caliper. \$2.50 each.

Poplar, Carolina. 10-12 ft., 1¼ to 1½ in. caliper. \$1.50 each.

Poplar, Chinese. 8-10 ft. \$1.50 each.

Poplar, Lombardy. 8-10 ft. \$1.00 each.

Poplar, Tulip. 8-10 ft. \$2.75 each.

Willow, Weeping. 6-8 ft. \$1.75 each.

Many other kinds; prices on application

WATER LILIES

The hardy Waterlilies are suitable for either artificial pools or natural ponds. Good soil must be provided and only moderately deep water over the soil. 8 to 12 in. is ideal. Strong roots are available after May 1st. We offer the following dependable garden varieties.

Unnamed Hardy Water Lilies. Very good varieties. White, Pink, Red, Cream. 50c. each, 60c. postpaid.

Pink Opal. A moderate growing variety. Deep, rich pink in color. Suitable for restricted areas. 75c. each.

Marillac Flesh. A lovely soft flesh pink in color. Fragrant and freely produced throughout the season. \$1.00 each.

Chromatella. An old standard variety producing flowers of clear rich yellow of good size. A very free grower. \$1.00 each.

VINES

Boston Ivy. Clings to smoothest surfaces. Strong plants, 2 to 3 ft. each 50c., postpaid 65c.

Clematis Jackmanl. Popular, rich purple. 75c.; postpaid, 85c.

Hardy Purple Wisteria. Vigorous, strong growing vine, rich violet blue flowers, deliciously sweet. 2 yr. 75c.; postpaid, 90c.

Hardy Japanese Kudzu Vine. A vine often making a growth of 50 to 75 ft. in one season. Fragrant, purple flowers; invaluable for covering porches, etc. Strong plants, 60c.; postpaid, 75c.

Sweet-scented Clematis paniculata. Creamy white, very fragrant. 2 yr., 50c.; postpaid, 65c.

FRUIT TREES

Not Mailable

APPLES

Baldwin, Delicious, Grimes Golden, Jonathan, Maidens Blush, McIntosh, M. B. Twig, Stayman's Winesap, Summer Rambo, Sweet Paradise, Wealthy, Winesap, Yellow Transparent, York Imperial. Extra strong trees, 4 to 5 ft. high. Any of the above, each \$1.00, doz. \$10.00.

PEARS

Keiffer, Bartlett, Seckel. Any one of the above, each \$1.00, doz. \$10.00.

PEACHES

Alton, Belle of Georgia, Carmen, Brackett Champion, Early Crawford, Elberta, Hale, Hiley, Late Crawford, Salway. 5 to 6 ft., strong trees. Any of the above, each 50c., doz. \$4.50.

QUINCE

Champion, Orange. 5 to 6 ft. Each \$1.25.

PLUMS

Abundance, Burbank, German Prune, Wickson. Any of the above, each 75c., doz. \$7.50.

CHERRIES

Bing, Black Tartarian, Early Richmond, Gov. Wood, Lambert, Large Montmorency, Napoleon. Any of the above seven, each \$1.00, doz. \$10.00.

Local delivery and express only—no freight shipments. Delivery latter part of March and April

For best results FRUIT TREES should be sprayed 3 to 4 times a season

BLACKBERRIES

Snyder, or Eldorado. Doz. \$1.00, postpaid \$1.25.

RASPBERRIES

Cumberland, Latham, St. Regis. Doz. \$1.00, postpaid \$1.25.

CURRANTS

Red Cross, Fay's Prolific, Wilder. Each 25c., postpaid 35c.; doz. \$2.50, postpaid \$2.75.

GOOSEBERRIES

Downing, green; and Houghton, pale red. Each 35c., postpaid 50c.; doz. \$3.50, postpaid \$3.75.

STRAWBERRIES

Extra Early Varieties: Two very fine varieties of recent introduction, **Fairfax** and **Dorsett.** The best in cultivation. Perfect blossoms, very productive and showy, of finest flavor and firmness. **Blackmore,** perfect flowering, and **Premier.**

Second Early Varieties: **Aberdeen,** perfect flowering, and **Dr. Burill.**

Medium Late Varieties: **Eaton, Gibson** and **Big Joe.**

Very Late Varieties: **Wm. Belt, Lupton, Chesapeake,** and **Gandy.**

Any of the above, 100 \$1.50, postpaid \$1.75; 1000 \$6.50, at our store, or express collect at customer's station.

Everbearing Varieties: **Champion** and **Lucky Strike.** 100 \$1.75, postpaid \$2.00; 1000 \$12.00, at our store or express collect at customer's station.

GRAPES

Catawba, red; Concord, blue; Niagara, white. Strong, 2 year old 25c., postpaid 35c.; doz. \$2.50, postpaid \$2.75.

Caco, the best red, 50c., postpaid 60c.; doz. \$5.00, postpaid \$5.25.

GRAPE PROTECTING BAGS, see page 45.

CLIMBING HYBRID-TEA ROSES

NEW DAWN (*Plant Patent No. 1*). This new Rose is a sport from Dr. W. Van Fleet, which is universally acknowledged to be one of the best climbing Roses. It is identical in every way with its parent in size and formation of its long-pointed flesh-pink buds and double flowers, but blooms continuously throughout the Summer and Autumn months. Strong 2-yr. plants, \$1.50 each.

BLAZE (*Plant Patent No. 10*). A marvelous new hardy climbing Rose which inherits the blazing color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz, thus combining the most attractive features of both of its parents. It is a very vigorous climbing variety which will grow to considerable height and produce flowers on both the old and new growth. A Rose that is sure to become very popular. Strong, 2-yr. plants, \$1.00 each.

Dr. W. Van Fleet. One of the most important climbing Roses, having perfectly formed buds, long-pointed, flesh-pink in color and very solid. The flesh-pink flowers are very large, borne on long stems, fragrant, and fine for cutting. 75c. each.

Paul's Scarlet Climber. No other Rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. 75c. each.

Climbing Kaiserin Augusta Viktoria. A climbing form of this popular white Rose. \$1.00 each.

Climbing Lady Ashtown. The best of the climbing Hybrid Tea varieties. Very large rose-pink flowers. \$1.00 each.

Climbing Mrs. Aaron Ward. Beautiful yellow. \$1.00 each.

Mr. L. L. Friez, Bellona Ave., writes:

"We used your M-S Plant Food this season and had a most gorgeous lawn."

(Postpaid, except where noted)

Sunrise. A glorious yellow of recent introduction. Flowers of largest size and very free blooming. \$2.00 each.

Marliac White. A vigorous variety producing flowers of good size of sparkling whiteness. Very desirable. \$1.00 each.

Gloriosa. Undoubtedly the most satisfactory red flowering hardy Waterlily. Flowers of good size produced very freely and sweet smelling. \$2.00 each.

Comanche. A strong growing variety producing lovely flowers of a rich apricot color, changing to deep, coppery bronze and red as the flower ages. \$2.00 each.
We can also supply **Tropical Waterlilies** varieties and prices on request.

INSECT, FUNGUS AND WEED DESTROYERS

Where postpaid prices are not given, add 10c. for 1 lb. and 1c. for each additional pound. All prices subject to change.

CLEAN—EASY—QUICK—SURE



A jelly bait, superior to syrups and powders. Now available in safety traps, 10c. each; postpaid, 15c.; 3 for 25c.; postpaid, 30c.; garden size, 35c.; postpaid, 40c.; estate size 85c., postpaid 95c.; 8 oz. size \$1.75, postpaid \$1.85; 5 lb. can \$9.50 postpaid \$9.65.

ANSUL COLLOIDAL SULPHUR. A general fungicide and contact insecticide. 90c., postpaid.

ANSUL DUST. Lb. 75c., postpaid.

ANTI-ANT. Rids ants in house, lawn or garden. Harmless to man or beast. 4 ozs. 40c., postpaid 45c.; ½ lb. 65c., postpaid 73c.

ANT GAS. A liquid—kills ants quickly; also effective against ground moles. ½ pt. 50c., postpaid 60c.; pt. 85c., postpaid 95c.

ANTROL. Ants destroyed in their nests. Safe, permanent, effective.

Antrol Sets. Containing 4 containers and 1 4-oz. bottle of syrup, 75c., postpaid 85c.

Antrol Extra Containers. Each 10c. **Antrol Syrup.** 4-oz. bottle 35c., postpaid 40c.; pt. 85c., postpaid 90c.

Ready-filled Antrol Set. Consisting of 4 ready-filled feeders, 40c., postpaid 50c. **Antrol Traps.** 15c., postpaid 17c.

APHISTROGEN. For all plants subject to aphids or plant lice. Also carries the noted Rosenbluth leaf fertilizer. 4 ozs. 50c., postpaid 60c.; ½ lb. \$1.25, postpaid \$1.40; 2 lbs. \$3.50, postpaid \$3.75; 12 lbs. \$15.00, postpaid \$15.25.

ARSENATE OF LEAD. Most effective for chewing insects. Lb. 30c., 4 lbs. 70c., 48 lbs. \$7.68. Postage extra.

ARSENATE OF LEAD (Oleate Coated). Very effective on Japanese beetle. Lb. 50c., 2½ lbs. \$1.10. Postage extra.

ARSENATE OF ZINC. Lb. 35c., 4 lbs. 90c. Postage extra.

ASTOGEN. A non-poisonous soil insecticide for Asters and other plants, likewise as a preventive of stem rot and yellows. 2 lbs. 75c., postpaid 90c.; 5 lbs. \$1.50, postpaid \$1.65; 10 lbs. \$2.75, postpaid \$2.95; 25 lbs. \$5.00, postpaid \$5.35; 50 lbs. \$8.50, postpaid \$9.15; 100 lbs. \$15.00.

BLACK LEAF 40. Oz. bottle 35c., postpaid 40c.; 5 ozs. \$1.00, postpaid \$1.10; lb. \$2.25, postpaid \$2.35; 2 lbs. \$3.25, postpaid \$3.37; 5 lbs. \$5.85, postpaid \$6.00; 10 lbs. \$10.60, postpaid \$10.75.

BEETLE BAIT (Dry) is a solid Bait, with ingredients especially processed to bring out the full aroma, and keep this aroma strong over a long period of time. Extensively used to trap Japanese beetles. ¼ pt. can, for type 0 trap 25c., postpaid 30c.; ½ pt. can for type 4 trap 50c., postpaid 60c. For traps, see page 48.

BEETLE GRUB KILLER. A combined contact killer and poison, doubly effective and quick acting. A scientific preparation for broadcasting over lawns and golf greens, which kills beetle grubs and other soil insects. Very effective against Japanese beetle grub. Birds and pets will not touch it. 5 lbs. 85c., postpaid 99c.; 10 lbs. \$1.35, postpaid \$1.53; 100 lbs. \$9.00, F.O.B. Baltimore.

BLUE STONE (Powdered). 1 lb. 20c., 5 lbs. 75c., 10 lbs. \$1.25, 50 lbs. \$5.00, 100 lbs. \$9.00, postage extra.

BORDEAUX ARSENATE. Kills chewing insects and controls fungous diseases. Lb. 35c., 4 lbs. \$1.25, 48 lbs. \$11.00. Postage extra.

BORDEAUX MIXTURE. For controlling fungous diseases. Lb. 30c., 4 lbs. 70c., 48 lbs. \$7.68. Postage extra.

BORER-KIL. Kills borers in their burrows. Trial size with Injector 60c., postpaid 65c.; 4 lb. can \$8.00, postpaid \$8.15.

CALCIDE. For Potato bugs, Bean beetle and other chewing insects. Lb. 25c., 4 lbs. 50c., 48 lbs. \$5.28. Postage extra.

CALCIUM CHLORIDE. Used dry as it comes from the container for destroying weeds; also allay dust in roadways and driveways. Will not injure rubber or paint, is clean, odorless and stainless. 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$2.75.

CATALIZER. Takes the place of casein spreaders. This is a new form of sulphur which acts as a spreader, sticker and piece-maker. It should be used whenever arsenate of lead is combined with Sulfocide or lime sulphur. 2 lbs. 45c., postpaid 56c.; 50-lb. bag \$9.00, postpaid \$9.58.

CERESAN (New Improved). Dust disinfectant to control certain diseases carried on grain seed and Narcissus. Lb. 70c., 5 lbs. \$3.00. Postage extra.

COPPER LIME DUST (20-20-60 Mixture) for destroying Bean beetle. Lb. 15c., 5 lbs. 50c., 100 lbs. \$7.00. Postage extra.

CROTOX. Insures seed Corn against attacks of crows and other pests. Small size can, insures 1 bu. 60c., postpaid 68c. Large size can insures 2 bus. \$1.00, postpaid \$1.10.

CUPROCID. Before planting, protect your seed against "damping-off" with a coat of Cuprocid—the red copper oxide 4 oz. package, 35c., postpaid 40c., 1-lb. can 90c., postpaid \$1.00; 5-lb. \$4.00. postage extra.

CYANOGAS "A". A dust for outside use in killing rats, moles, woodchucks, gophers and ground squirrels. ½ lb. 45c., lb. 75c., 5 lbs. \$3.00. Postage extra.

CYANOGAS "G" FUMIGANT. 5 lbs. \$3.00. Postage extra.

CYANOGAS ANT KILLER. 4 oz. spouted tin for treating ant nests in lawns and gardens. Enough to kill a million ants—30c., postpaid 35c.

DANDELION KILLER. 1-lb. cans. Clear instructions for use are on each can. 25c. each, postpaid 35c. Applicator for same 75c.

DOG SKAT. To be attached to evergreens and shrubs. Positively keeps dogs away. Small tube 15c., postpaid 20c.; large tube 30c., postpaid 35c.

DOGZOFF—Dog Repellent. Protects shrubs, ornamentals, evergreens, etc. 3-oz. bottle treats 50 trees 60c., postpaid 70c.

EVERGREEN (New). Just mix with water and spray; no spreader to be added. Kills both sucking and chewing insects such as aphids, rose chafers, Mexican bean beetle, etc., yet is non-poisonous. 1-oz. bottle makes up to 6 gallons of spray. Oz bottle 35c., postpaid 40c.; 6-oz. bottle \$1.00, postpaid \$1.08; 16-oz. bottle \$2.00, postpaid \$2.10; gal. tin \$12.00, postpaid; 5 gals. \$50.00.

FISH OIL SOAP. Lb. 35c., postpaid 42c.; 5 lbs. \$1.25, postpaid \$1.38; 10 lbs. \$2.00, postpaid \$2.18.

FISH OIL SOAP (Semi-liquid). This soap is recommended to florists for spraying Palms, Rubber plants, Geraniums and vine plants. Lb. 35c., postpaid 42c.; 5 lbs. \$1.25, postpaid \$1.38.

FORMALDEHYDE. For Potato scab and mold. Pt. 50c., qt. 90c., gal. \$3.00. Not mailable.

FUMETOBAC (For burning). A high nicotine content powder for fumigating greenhouses. 25 lbs. \$4.50, 50 lbs. \$8.00, 100 lbs. \$15.00. Postage extra.

FUNGITROGEN. Conquers mildew and black spot. Endorsed by leading rosarians. ½ pt. 75c., postpaid 83c.; pt. \$1.25, postpaid \$1.35; qt. \$2.00, postpaid \$2.12; gal. \$6.00, postpaid \$6.18.

GRAFTING WAX. ¼ lb. 15c., ½ lb. 30c., lb. 50c., postpaid.

GRAPE DUST. For mildew and blight. 5 lbs. \$1.25, postpaid \$1.40.

GRASSELLI SPREADER is a combined spreading, sticking and wetting agent designed especially for use with agricultural sprays. Widely approved by growers and commercial sprayers. 1 pt. 75c., postpaid 85c.; 1 gal. \$4.75, postpaid \$4.95.

HELLEBORE. ¼ lb. 25c., ½ lb. 40c., lb. 70c., 5 lbs. \$3.00. Postage extra.

INSECTROGEN. Kills most leaf-eating insects, prevents blight. 4 ozs. 60c., postpaid 70c.; ½ pt. \$1.00, postpaid \$1.10; pt. \$1.75, postpaid \$1.85; qt. \$2.75, postpaid \$2.90; gal. \$8.00, postpaid \$8.25.

JAPTOX. When sprayed on foliage, Japtox establishes a very pronounced silvery coating. This coating or film spreads evenly over all of the surfaces to which it has been applied and sticks longer than any other spraying material known to chemical science. Japtox has as its base an arsenical poison so as to insure killing the small percentage of beetles which may actually feed on the sprayed foliage. Lb. 50c., postpaid 60c.; 2 lbs. 85c., postpaid 96c.; 8-lb. cans \$3.00, postpaid \$3.17.

KAYLOX. Is an insecticide and fungicide; very effective against all leaf eating insects. ½ lb. 25c., lb. 45c., 5 lbs. \$2.10, 10 lbs. \$3.75. Postage extra.

LEMON OIL INSECTICIDE. ½ pt. 30c., postpaid 38c.; pt. 50c., postpaid 60c.; qt. 85c., postpaid 96c.; ½ gal. \$1.50, postpaid \$1.63; gal. \$2.50, postpaid \$2.68; 5 gals. \$12.00, 10 gals. \$22.50.

LETHANE 440 is a complete all-around contact spray. It is unusually effective against practically all sucking insects and their eggs. Gallon cans \$8.50, postpaid \$8.68.

LETHANE SPREADER. Gal. \$1.50, postpaid \$1.75.

LIME SULPHUR (Liquid). For scale insects on trees and shrubs and such fungous diseases as can be treated in Winter or early Spring. Qt. 40c., gal. 75c., 5 gals. \$2.50, 30 gals. \$5.50, 50 gals. \$8.00. Not mailable.

LIME SULPHUR (Dry Powder Form). Lb. 30c., 5 lbs. \$1.25, 10 lbs. \$2.00, 25 lbs. \$4.00, 50 lbs. \$7.00, 100 lbs. \$12.00, 200 lbs. \$22.00. Not mailable.

LORO. A synthetic contact insecticide—for use only as directed. Kills red spider, mealy bug, thrips, midge, white fly and aphids. 1 pt. \$2.00, postpaid \$2.10; 1 gal. \$10.50, postpaid \$10.68.

MAGNESIUM ARSENATE. Extensively used to control the Mexican bean beetle. 2 lbs. 60c. Postage extra.

MYSTIKIL. Scientific protection against plant enemies. Trial size, 35c. each; 4 lb. can \$7.60, postpaid \$7.75.

MOLO. A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c., postpaid 30c.

MOLOGEN. Eliminates moles in short time. ½ lb. 50c., postpaid 58c.; 1½ lbs. \$1.25, postpaid \$1.35; 5 lbs. \$4.00, postpaid \$4.15.

MOLE-NOTS. Protects lawns, gardens, flower beds and golf courses from the ravages of moles. Most of the damage attributed to moles is usually caused by gophers and field mice. This preparation is an attractive food for all of these pests and will exterminate them surely, safely and quickly. A 25c. package will treat about 40 feet of runs. Price 25c., postpaid 30c.; estate size \$1.00, postpaid \$1.10.

NICO-FUME (Liquid). Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00. Postage extra.

NICO-FUME TOBACCO PAPER. Box of 24 sheets \$1.25, postpaid \$1.32; 144 sheets \$4.50, postpaid \$4.62; 288 sheets \$8.00, postpaid \$8.17.

NICO-FUME PRESSURE FUMIGATORS. ½ lb. 45c., lb. 75c., 12 ½-lb. cans \$4.20, 12 1 lb. cans \$7.00. Postage extra.

NICO-FUME POWDER. For fumigating greenhouses. 1-lb. can \$1.00, postpaid \$1.10; 5 lbs. \$3.35, postpaid \$3.50; 10 lbs. \$5.85, postpaid \$6.04.

PARA-DICHLOROBENZENE or CRYSTAL GAS. Controls Peach borers. Oz. to each tree. Lb. 40c., 5 lbs. \$1.50, 25 lbs. \$6.25, 50 lbs. \$12.00. Postage extra.

PARIS GREEN. ¼ lb. 18c., lb. 55c., 2 lbs. \$1.10, 5 lbs. \$2.50, 14-lb. kits \$6.00. Postage extra. Prices subject to change.

POMO-DUST. Prevents and cures mildew and black spot on Roses. Lb. 25c., 5 lbs. \$1.00, 10 lbs. \$1.75, 100 lbs. \$8.00. Postage extra.

POMO-GREEN. Like the above, but colored green to harmonize with the color of plants. Lb. 50c., 5 lbs. \$1.75. Postage extra.

POMO-GREEN WITH NICOTINE. Like above, but also kills sucking insects. Lb. 75c., 5 lbs. \$3.00. Postage extra.

PYROX. Kills all leaf eating insects and for blight and all fungus troubles. 25 lbs. \$5.00, postpaid \$5.35; 50 lbs. \$7.25, 100 lbs. \$12.50, 300 lbs. \$30.00. Smaller sizes discontinued, see next item.

PYROX WITH NIXOTINE. Like the above but also kills sucking insects. 10 oz. jar 39c., postpaid 49c., lb. 49c., postpaid 61c.; 5 lbs. \$1.75, postpaid \$1.90; 10 lbs. \$3.00, postpaid \$3.20, 25 lbs. \$5.65.

RED ARROW INSECT SPRAY. A highly concentrated pyrethrum extract containing soap. Non-poisonous. Will not injure foliage. Oz. 35c., 4 ozs. \$1.00, pt. \$2.70, qt. \$3.20, gal. \$9.70, postage extra.

RODOPELL. Protects bulb plantings against ravages of rats, mice, moles and other destructive rodents. It does not kill rodents but drives them away from the plantings. It is harmless to pets and birds. Clean and pleasant to use. 2 gal. size sufficient for 100 bulbs, \$2.00, postpaid \$2.13; 5 gal. size, sufficient for 250 bulbs, \$3.75, postpaid \$3.93. Descriptive circular on request.

ROPCO FISH OIL SOAP. Perfect spreader for insecticides. Gal. \$1.50, postpaid \$1.75.

ROSE-AID. Controls black spot and mildew, 1-lb. package 35c., postpaid 45c.

ROTECIDE SPRAY. Contact and stomach burn or in any way affect the most delicate foliage. Oz. 35c., postpaid 40c.; ½ pt. \$1.00, postpaid \$1.10; pt. \$1.75, postpaid \$1.85; qt. \$3.00, postpaid \$3.12; gal. \$8.00, postpaid \$8.25.

ROTENONE DUST. (Meyers.) Especially recommended for Mexican Bean beetle, but very effective against most insects that infest the garden. Lb. 35c., postpaid 45c.; 4 lbs. 75c., postpaid 88c.; 50 lbs. \$7.50.

SCALECIDE. Used for the destruction of San Jose scale. Spray during the Winter or early Spring when the trees are dormant. Qt. 65c., postpaid 75c.; gal. \$1.55, postpaid \$1.80; 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30 gals. \$21.00, 50 gals. \$29.00. Refund on return of 15, 30, 50 gal. drums.

SELOCIDE. Positively kills red spider. 1 gal. \$3.50, postpaid \$3.75.

SEMESAN. Prevents and controls fungous diseases, damping-off, etc. Produces sturdier plants. 2 ozs. 35c., lb. \$2.25, 5 lbs. \$9.90, 25 lbs. \$45.50, 100 lbs. \$180.00. Postage extra.

SEMESAN BEL (New Improved). Dip disinfectant to control scab and rhiz octonia carried on white seed Potatoes. 1 lb. disinfects 60 to 80 bus. 4 ozs. 45c., lb. \$1.50, 5 lbs. \$6.75, 25 lbs. \$31.00, 100 lbs. \$122.00. Postage extra.

SEMESAN JR. (New Improved). For controlling certain root-rots carried by field and sweet Corn, also to prevent rotting in early planting. 4 ozs. 30c., lb. 75c., 5 lbs. \$3.25, 25 lbs. \$14.00, 100 lbs. \$55.00. Postage extra.

SLUG SHOT (Powder). One of the oldest powders for destroying chewing insects. Lb. 25c., postpaid 33c.; 5 lbs. \$1.00, postpaid \$1.13; 25 lbs. \$3.00, postpaid \$3.45.

SLUG SHOT (Liquid). Liquid Slug Shot combines rotenone and pyrethrum in the proper proportions with a spreader and a very effective fungicide. Simply dilute with water and spray. Non-poisonous to animal life—safe—and easy to use. Oz. 35c., 6 oz. \$1.00, 16 oz. \$2.25, qt. \$4.00, gal. \$12.00 postpaid.

SNAROL. Quickly kills snails, cutworms, slugs, etc. 1½ lb. pkg. 35c., 4-lb. pkg. 85c., 15-lb. pkg. \$3.00, 50-lb. bags \$8.00. Postage extra.

SULFOCIDE. An efficient Summer spray for the control of scab and black rot on fruit trees. Excellent for mildew on other plants. Pt. 50c., postpaid 60c.; qt. 85c., postpaid 95c.; gal. \$2.25, postpaid \$2.50.

SULPHUR DUST (85-15). Contains 15% arsenate of lead, 85% flowers of sulphur for dusting Strawberries, Cantaloupe and other vine plants. 100 lbs. \$6.50.

SULPHUR (Flowers). Lb. 12c., postpaid 19c.; 5 lbs. 50c., postpaid 62c.; 10 lbs. 90c., postpaid \$1.07; 25 lbs. \$2.00, postpaid \$2.35; 100 lbs. \$6.00.

SUNOCO SPRAY OIL. Self emulsifying in any water. Will not freeze or deteriorate from season to season. Used for dormant spraying, delayed dormant spraying and Summer spraying. Unequaled as a spreader, and sticker. Gal. \$1.25, postpaid \$1.50; 5 gals. \$5.00, 15 gals. \$9.30, 30 gals. \$15.90, 50 gals. \$23.00.

TOBACCO DUST (Special Dusting or Fumigating). Lb. 10c., postpaid 17c.; 3 lbs. 25c., postpaid 35c.; 10 lbs. 60c., postpaid 78c.; 20 lbs. \$1.00, postpaid \$1.26; 100 lbs. \$3.75.

TOBACCO STEMS. Lb. 5c., postpaid 12c.; 50 lbs. \$1.75, 100 lbs. \$3.00.

TREE PAINT. Invaluable for cuts and bruises. The life of a tree depends on its care. 1 pt. 30c., postpaid 40c.; qt. 50c., postpaid 60c.; gal. \$1.50, postpaid \$1.66.

TREE TANGLEFOOT. 6 oz. 35c., postpaid 43c.; lb. 65c., postpaid 75c.; 5 lbs. \$3.00, postpaid \$3.15; 10 lbs. \$5.65, postpaid \$5.85.

TRI-GEN. Triple spray treatment. Fungicide, insect killer, repellent. Complete protection against plant diseases and insects. Stimulates plant growth. Size A \$1.50 postpaid \$1.60; Size B \$4.00, postpaid \$4.16; Size C \$6.00, postpaid \$6.25; Size D \$20.00.

VOLCK, NURSERY. Recommended as a contact spray to control scale insects, mealy bugs, red spiders, rust mites, white flies, and many other insects. Nursery Volck is compatible with lead arsenate, pyrethrum sprays, rotenone sprays, nicotine sprays, and copper fungicides. ½ pt. 35c., postpaid 43c.; qt. 75c., postpaid 85c.; gal. \$2.00, postpaid \$2.18; 5 gals. \$6.25; 28 gals. \$25.00.

VOLCK, GREENHOUSE. Use on very tender plants under lath or glass. 1 qt. 75c., postpaid 86c.; 1 gal. \$2.00, postpaid \$2.18; 5 gals. \$6.25.

VOLCK, GARDEN. A combination spray containing nicotine, plus soap as a wetting agent. 3½ oz. can 35c., postpaid 38c.; 1 pt. \$1.00, postpaid \$1.10; 1 qt. \$1.50, postpaid \$1.61; 1 gal. \$4.00, postpaid \$4.18.

WEED KILLER (Hammond's). Destroys weeds and grass on roadways, paths, gutters, etc. 1 gal. makes 40 gals. of treating liquid. Qt. 50c., gal. \$1.50, 5 gals. \$6.25. Postage extra.

WEED KILLER (General Chemical Co.) Available in larger sizes only. 5 gals. \$5.00, 10 gals. \$9.00, bbl. lots (50 gals.) 80c. per gal. Postage extra.

ADCO WEED KILLER (Non-poisonous). A single hour's work will accomplish more than a month's hard labor at digging out weeds. 3-lb. can \$1.00, postpaid \$1.12.

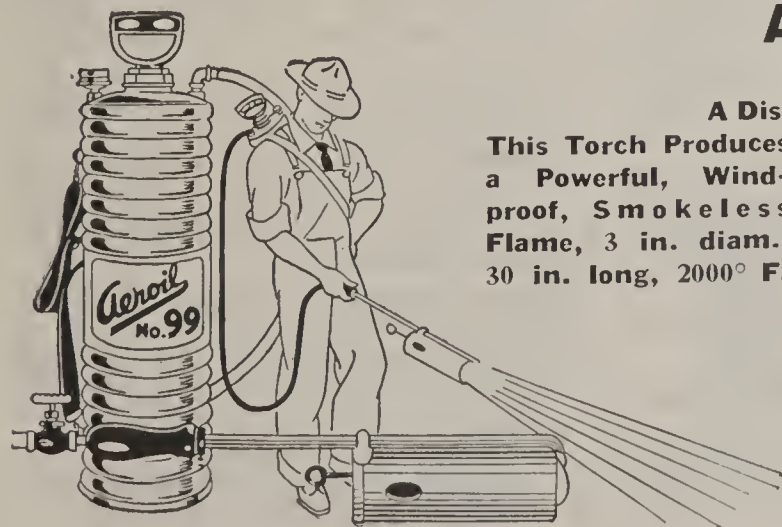
WORM ERADICATOR (Electric). Eliminates worms and worm casts from lawns and golf greens; acts as a mild stimulant and fertilizer. Each gallon diluted with 250 gallons of water will cover 2500 square feet. 1 pt. \$1.00, postpaid \$1.10; 1 gal. \$3.50, postpaid \$3.68; 5 gal. keg \$15.00.

AEROIL BURNER NO. 99

[SIMPLE, SAFE, ECONOMICAL]

A Disinfecting Weed Burning Fire Torch—A Tool of 100 Uses

This Torch Produces a Powerful, Wind-proof, Smokeless Flame, 3 in. diam., 30 in. long, 2000° F.



The Aeroil Burner works on the same principle as a plumber's blow torch. The fuel used is kerosene, gasoline, range oil, stove oil or light furnace oil. The kerosene vapor and air are combined in the burner in correct proportion for perfect combustion (94% air, 6% kerosene), producing a powerful, reddish-blue flame, 3 inches in diameter, 30 inches long—of intense heat, 2000° F. Size of flame is easily controlled by a regulating valve. Anyone can operate an Aeroil Burner. It is *absolutely safe*! The powerful heat generated is under absolute control at all times. *Very economical* to operate, as the average oil consumption is only 1½ gals. per hour. Rigidly constructed, will last indefinitely. Light, compact, portable, easy to carry around, for the convenient web shoulder strap distributes the weight evenly. Complete, \$20.00; postpaid \$20.30.

FERTILIZERS AND PLANT FOODS

All prices on Fertilizers are subject to market changes, ton prices on request. Fertilizer and Plant Foods, postage extra. For Fertilizer to be sent by Parcel Post, add 8c. for 1 lb., 10c. for 2 lbs. and 1c. for every additional lb. Like 1 lb. 8c., 10 lbs. 18c.

ACID PHOSPHATE or SOUTH CAROLINA ROCK. 16 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid content. 167-lb. bag \$1.75, 100 lbs. \$1.25.

ADCO. Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes $\frac{1}{2}$ ton of manure. 7 $\frac{1}{2}$ lb. pkg. 85c., 25 lbs. \$2.00, 150 lbs. \$10.50.

ALUMINUM SULPHATE (For Rhododendrons and Azaleas). Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 100 lbs. \$4.00.

ASPARAGUS SALT. Applied in Spring 600 to 800 lbs. per acre; for destroying weeds. 10 lbs. 25c., 50 lbs. \$1.00, original sack 100 lbs. \$1.50, 200 lbs. \$2.50.

BLOOD, DRIED. For indoor and outdoor culture of flowering plants, like Roses, Carnations, etc., its chief element being nitrogen. Fine for ferns. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

BONEMEAL, STEAMED (2.47-50). A pure soft bone, splendid for building up worn-out soil, lawns, etc. Lb. 5c., 10 lbs. 50c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 167 lbs. \$3.75. Quick acting.

BONEMEAL, RAW (3.7-48). Will not burn. A high class, slow acting fertilizer. Lb. 5c., 10 lbs. 50c., 25 lbs. 90c., 50 lbs. \$1.65, 100 lbs. \$2.75, 167 lbs. \$4.00. Slow acting.

BONE FLOUR. Finely pulverized and bolted. Effective immediately. For Rose growing this cannot be excelled. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

BOVUNG. Plain, dried cow manure; absolutely free of live weed seeds. Will not burn. 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.75, 500 lbs. \$12.50.

COMMERCIAL FERTILIZERS.

(2-9-5). For Potatoes and general crop. 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 167-lb. bag \$2.50.

(4-8-5). All around, high grade fertilizer. 5 lbs. 25c., 10 lbs. 45c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.00, 167-lb. bag \$2.90.

(4-12-4). For grain crops. 167-lb. bag \$3.25.

(6-6-5) **Q Brand.** An all-around high grade organic plant food. 167 lbs. \$3.25.

CLAY'S FERTILIZER. An English chemical fertilizer. 28 lbs. \$3.75, 56 lbs. \$6.25, 112 lbs. \$12.00.

COW MANURE, SHREDDED (Wizard Brand). For garden, lawn and greenhouse, and especially good to mix with compost. 2 lbs. 15c., 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.75, 500 lbs. \$13.00, $\frac{1}{2}$ ton \$24.00, ton \$46.00.

COTTON SEED MEAL. Very rich in potash and ammonia. Fine for Rhododendrons and Azaleas. Lb. 6c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

Mr. L. L. Friez, Bellona Ave., Baltimore, Md. writes:

"We used your M-S Lawn and Plant Food this season with remarkable results. We had a most gorgeous lawn all Summer and Fall."

ESSKAY PLANT FOOD. A complete fertilizer for lawns, shrubbery, trees, flowers and vegetables; it makes things grow. 95 per cent organic; non-burning. 2 lbs. 25c., 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.35, 100 lbs. \$3.50.

F. & I. FERTILIZER and INSECTICIDE. A ground, tobacco-base fertilizer and insecticide containing fine particles for dusting. F. & I. quickly stimulates healthy growth and protects plant life against insect pests. Lb. 5c., 100 lbs. \$2.50.

FLORANID (UREA). Like Nitrophoska but contains 46 per cent nitrogen. Used for rapid growth, richer color of foliage and brilliancy of bloom. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75.

GYPHUM or LAND PLASTER. Intensifies the color of Roses, other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1000 to 1500 lbs. per acre. 10 lbs. 30c., 25 lbs. 50c., 50 lbs. 75c., 100 lbs. \$1.25, 200 lbs. \$2.00.

HYPER-HUMUS (Leafmold). Fine for lawns, replanting and repotting. Lb. 5c., 10 lbs. 25c., 50 lbs. \$1.00, 100 lbs. \$1.50, 500 lbs. \$6.25, 1000 lbs. \$10.00, ton \$18.00.

KAINIT (Potash Salts). Fine for Asparagus. Lb. 5c., 10 lbs. 45c., 25 lbs. 85c., 100 lbs. \$2.00.

LIME, HYDRATED or POWDERED. Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or $\frac{1}{2}$ ton on lawns. 5 lbs. 20c., 10 lbs. 30c., 50 lbs. 50c., 500 lbs. \$4.25, 1000 lbs. \$8.75, ton \$16.50.

LOMA. Beautifies lawns, vegetable gardens, flowers, potted plants, fruit and shade trees. It is rich in nitrogen, phosphate, potash and other plant nourishment. Clean, odorless and easy to apply. Lb. 10c., 5 lbs. 45c., 10 lbs. 85c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

M-S LAWN and PLANT FOOD. See inside front cover page.

MUM MANURE (Smith's). Give your plants a quick start. A perfect food for chrysanthemums and other flowers. under glass or in the garden. 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

MURIATE OF POTASH. Analysis, equal to 50 per cent actual potash. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.50.

NITRATE OF SODA. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. Lb. 10c., 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$2.50.

NITROPHOSKA. New air-nitrogen fertilizer. Analysis, 15-30-15. Clean as sugar. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75; larger quantities quoted on application.

ORCHID PEAT. Pk. 40c., bushel \$1.50, bbl. sack \$3.50.

Mr. T. A. Van Sant, 4321 Garrison Blvd., writes:

"After using your M-S Lawn and Plant Food on four (4) Tomato plants I produced 1 $\frac{1}{2}$ bushels of Tomatoes to each plant, some of them weighing 33 ounces."



STIM-U-PLANT

PLANT FOOD TABLET
Unexcelled for Roses.

Use it and you will have far more beautiful flowers and plants, better fruit and vegetables and in far greater quantities. 10 tablets for 10c., put up in packet form; 30 tablets for 25c.,

100 tablets for 75c., 500 tablets for \$2.50 and 1000 tablets for \$3.50, postpaid.

PLANTABBS (FULTON'S). Odorless plant food tablets. Use them for beautiful gardens and lovely house plants. 10 tablets 10c., 30 tablets 25c., 75 tablets 50c., 200 tablets \$1.00, 1000 tablets \$3.50, postpaid.

PEAT MOSS (Granulated). The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive. Full size bale containing 20 to 22 bushels when loosened. $\frac{1}{2}$ peck 15c., peck 25c., bus. 50c., $\frac{1}{2}$ bales \$1.65, bales \$2.85.

SCOTCH SOOT (Imported). This is used for bringing a good, healthy color into the foliage of Chrysanthemums and other greenhouse plants. 5 lbs. 60c., postpaid 75c.; 10 lbs. \$1.00, postpaid \$1.20; 100 lbs. \$5.00.

SHEEP MANURE (Wizard Brand). Apply 1000 lbs. per acre. The analysis shows it to be the most perfect balanced plant food. For garden, lawn or greenhouse, nothing surpasses sheep manure. It is clean and easily handled. Gives immediate results. 2 lbs. 15c., 5 lbs. 30c., 10 lbs. 50c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.50, $\frac{1}{2}$ ton \$22.00, ton \$42.50.

SHEEP MANURE, Western, 100 lbs. \$2.00.

SULPHATE OF AMMONIA. Lb. 10c., 3 lbs. 25c., 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$2.75.

SULPHATE OF POTASH. Fine for Roses. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.50.

SPHAGNUM MOSS. For packing plants and growing Orchids. $\frac{1}{2}$ pk. 35c., postpaid 42c.; pk. 50c., postpaid 59c.; bu. \$1.25, postpaid \$1.37; bale, about 3 bus. \$3.25.

TANKAGE. 6% nitrogen. Lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

TEROGEN. Autumn-Winter ground dressing and soil disinfectant, particularly good for Roses. Lb. 75c., 2 lbs. \$1.25, 5 lbs. \$2.75, 10 lbs. \$4.75, 25 lbs. \$11.00.

TOBACCO STEMS. For fumigating, mulching and fertilizing. Lb. 5c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.50.

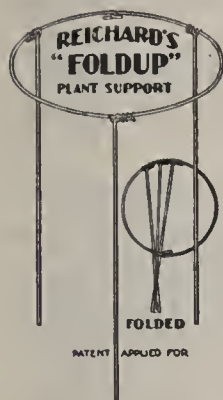
VIGORO. A scientifically balanced food ration, furnishing all plant life with proper nourishment. 12 ozs. 10c., 5 lbs. 45c., 10 lbs. 85c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

WOOD ASHES (Canadian Unleached Hardwood Ashes). High in potash. Excellent for Roses, grass, etc. Apply in early Spring or late Fall. 1000 lbs. to acre. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$2.50.

Attention—Special formulas mixed according to your specifications

POT AND TREE LABELS—ALL PAINTED

Width	100	P.P. Wght.	500	1000	P.P. Wght. Per 1000
4 in. x 5/8 in. pot.....	\$0.30	1/2 lb.	\$1.15	\$2.00	3 lbs.
5 in. x 5/8 in. pot.....	.35	1/2 lb.	1.25	2.20	4 lbs.
6 in. x 5/8 in. pot.....	.40	3/4 lb.	1.50	2.50	5 lbs.
10 in. x 5/8 in. pot.....	.75	1 lb.	2.50	4.00	10 lbs.
12 in. x 5/8 in. pot.....	.90	2 lbs.	3.00	5.00	12 lbs.
8 in. x 7/8 in. garden.....	.75	2 lbs.	3.00	5.00	9 lbs.
10 in. x 7/8 in. garden.....	.90	2 lbs.	3.50	6.00	10 lbs.
12 in. x 1 1/8 in. garden.....	1.00	3 lbs.	4.50	8.50	12 lbs.
3 1/2 in. copper wire tree....	.35	1/2 lb.	1.20	2.30	4 lbs.

**"FOLDUP"
PLANT
SUPPORT**

Made of No. 7 galvanized wire. They do not rust and may be used for many years. Unlike other wire supports, these Foldup as name indicates and as illustrated. Each 30c., postpaid 40c.; doz. \$3.00, postpaid \$3.25.

**Timesaver
Plant Support**

An adjustable support, all metal parts being galvanized; tie end is green, can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports. Doz.

No. 2—3 ft.....	\$1.15
Postpaid.....	1.25
No. 3A—4 ft.....	2.20
Postpaid.....	2.35
No. 4—5 ft.....	2.75
Postpaid.....	2.95

**ADJUSTO
PLANT SUPPORT**

A square, sturdy hardwood stake equipped with a patented adjustable wire loop. Doz., 3 ft. \$2.10, 4 ft. \$2.40, 5 ft. \$2.70, 6 ft. \$3.00. For postage, add 15c., 25c., 30c. and 40c.

Stakes without Loops. Doz. 3 ft. 90c., 4 ft. \$1.20, 5 ft. \$1.50, 6 ft. \$1.80. For postage, add 10c., 20c., 25c. and 35c.

Extra Wire Loops. Doz. \$1.20, postpaid \$1.30

WIRE PLANT TIES

For staking potted plants, or plants on the bench; Chrysanthemums, hyacinths, Lilies, Tulips, etc., use the "Lightning Tie" with wire, wood or bamboo stakes; just a slight squeeze between the fingers and the stem is definitely, though inconspicuously tied. And if you wish to be really economical the same tie can be used over and over again.

1000 ties in a package. \$2.25, postpaid \$2.32
100 ties in a package. 30c., postpaid 35c.

**THE BLOOM
SUPPORT**

By using the *Bloom Support* it becomes quite practical to stake the individual spike of flowers—such as Delphinium, Chrysanthemum, Peonies, Lilies and similar plants, that because of the weight of the flower, especially during rainy, windy weather require additional support. The arms of the support are most adaptable, bend or slide them to any position, in any direction and they remain put. The eye, into which the flower stem slips, open readily to receive the stem, and closes just as easily. After all the *Bloom Support* is the

most adaptable, the most convenient flower stake you will have ever used. Two sizes, 32-in. stake, doz. \$1.75; 42-in. stake, doz. \$2.00. Complete with 4 arms each. Additional arms, 50 for \$1.50.

TWINES, RAFFIA, ETC.

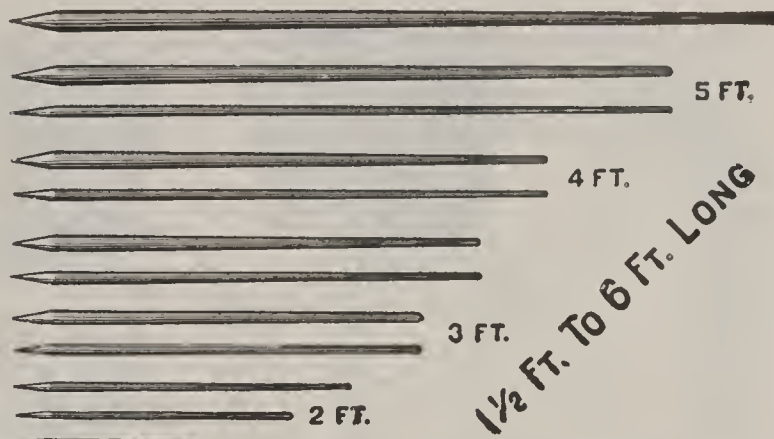
White Cord. 3-ply, 4-ply, 6-ply. 1/2 lb. balls. Lb. 50c., 10 lbs. \$4.50, 25 lbs. \$10.00.
Jute Twine. 3-ply and 2-ply. Lb. 30c., 10 lbs. \$2.50, 25 lbs. \$6.00.
Binder Twine. Standard. Ball 5 lbs. 60c.
Fodder Twine or Tarred Sisal. Lb. 15c.
Quantity prices furnished on application.
Plow Lines. Sisal 14 yds. 50c., postpaid 58c.
Plow Lines. Cotton 14 yds. 75c., pp. 83c.
Garden Line. 150 ft. of good cotton line. 50c., postpaid 55c.
Red Tape for tying Asparagus. 1000 yards No. 17-677. \$1.50, p.p. \$1.60.
Green Cotton Twine. 10c. balls.

RAFFIA

For tying Asparagus and anything in the garden. Lb. 30c., postpaid 37c. Hanks contain about 1/2 lb.; 5 lbs. or more at 25c. lb.
Green Raffia. 1/2 lb. 40c., 1 lb. 75c.
Special price on larger quantities. Postage extra.

GRAPE PROTECTING BAGS

No. 2. The right size for our domestic Grapes. Doz. 10c.; 100 50c., p.p. 60c.; 1000 \$4.25, p.p. \$4.50.

**GREEN PAINTED ROUND
PLANT STAKES****HEAVY PLANT STAKES**

	Each	Doz.	100
3 ft., Heavy or Dahlia....	\$0.12	\$1.15	\$8.60
4 ft., Heavy or Dahlia....	.15	1.55	11.40
5 ft., Heavy or Dahlia....	.20	2.25	14.60
6 ft., Heavy or Dahlia....	.25	2.50	17.90
Postage extra. Doz. 3 ft. 10c., 4 ft. 12c., 5 ft. 14c., 6 ft. 16c.			

LIGHT PLANT STAKES

	Each	Doz.	100
1 1/2 ft., Light.....	\$0.03	\$0.25	\$1.50
2 ft., Light.....	.04	.40	2.80
2 1/2 ft., Light.....	.06	.60	4.10
3 ft., Light.....	.08	.75	5.40
Postage extra, Doz.: 1 1/2 ft. 7c., 2 ft. 7c., 2 1/2 ft. 8c., 3 ft. 9c.			

BAMBOO PLANT STAKES

Painted	Green	Doz.	P.P.	100	P.P.	1000
2 ft.	\$0.10	\$0.15	\$0.50	\$0.58	\$3.00	
3 ft. ....	.15	.22	.70	.81	5.00	
4 ft. ....	.20	.27	.90	1.12	6.50	
5 ft. ....	.25	.32	1.10	1.23	7.50	
Not painted						
6 ft. ....	.30	.38	1.25	1.42	10.00	

Heavy Bamboo Tonkin

4 ft., not painted, tonkin, for Dahlias. Doz. 40c., postpaid 50c.; 100 \$3.00 not postpaid.
5 ft., not painted, tonkin, for Dahlias. Doz. 50c., postpaid 60c.; 100 \$4.00 not postpaid
6 ft., not painted, tonkin, for Dahlias. Doz. 65c., postpaid 75c.; 100 \$5.00 not postpaid.

HYACINTH STAKES

For Hyacinths, Tulips, etc. Dyed Green

12 in., doz. 7c., 100 35c., 1000 \$2.00.
18 in., doz. 8c., 100 50c., 1000 \$3.00.

For postage, add 5c., 10c., 25c.

GALVANIZED STEEL STAKES

	Doz.	Postpaid	100	Postpaid
2 ft.	\$0.25	\$0.33	\$1.25	\$1.32
3 ft. ....	.40	.48	2.00	2.20
4 ft. ....	.50	.60	2.50	2.75
5 ft. ....	.65	.75	3.00	3.30

**PEERLESS
PLANT MARKER**

It is designed specially for home gardens and is very inconspicuous. The card holder is hinged to the standard, so that the card is covered and protected, but swings up to be read.

Each 10c., per doz. \$1.20, postpaid

EUREKA STAKE FASTENERS

1000.....\$2.00, postpaid \$2.08
100.....25c., postpaid 30c.

**EARTHEN-
WARE
FLOWER
POTS**

Sent by express
and freight only.
Packing at cost

	Each	Doz.	100
2 in.....	\$0.01½	\$0.15	\$1.00
2½ in.....	.02	.20	1.45
3 in.....	.03	.30	1.80
4 in.....	.04	.40	2.70
5 in.....	.07	.70	5.10
6 in.....	.10	1.00	7.50
7 in.....	.15	1.50	11.35
8 in.....	.23	2.30	16.35
9 in.....	.35	3.50	25.00
10 in.....	.45	4.50	34.50
12 in.....	.95	9.50	73.00
14 in.....	1.50	.....	.....
16 in.....	3.00	.....	.....

BULB PANS

	Each	Doz.	100
4 in.....	\$0.05	\$0.45	\$3.00
5 in.....	.07	.75	5.25
6 in.....	.12	1.25	7.75
7 in.....	.18	2.00	15.00
8 in.....	.30	2.75	20.00
9 in.....	.40	3.75	29.00
10 in.....	.55	5.50	37.50
12 in.....	1.00	11.00	82.50

EARTHENWARE SAUCERS

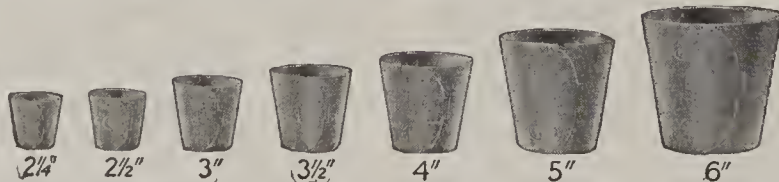
	Each	Doz.		Each	Doz.
4 in....	\$0.04	\$0.40	9 in....	\$0.15	\$1.50
5 in....	.05	.50	10 in....	.20	2.00
6 in....	.06	.60	12 in....	.35	3.50
7 in....	.09	.90	14 in....	.45	....
8 in....	.10	1.00	16 in....	.85	....

PLANTRAY**Unbreakable Rubber Flower Pot Saucer**

	Each	Doz.		Each	Doz.
4 in...	\$0.15	\$1.50	Postpaid..	\$0.20	\$1.60
6 in...	.25	2.50	Postpaid..	.30	2.60
9 in...	.40	4.00	Postpaid..	.47	4.18

**Bird's IMPROVED
NEPONSET Flower Pots**

Extensively
used for
shipping
plants,
starting seeds
and seedlings.



	Doz.	100	1000		Doz.	100	1000		Doz.	100	1000
2 in....	\$0.07	\$0.45	\$3.00	3 in....	\$0.15	\$0.70	\$4.00	5 in....	\$0.30	\$1.50	\$8.00
2½ in....	.08	.50	3.25	3½ in....	.20	.90	5.00	6 in....	.40	2.00	10.50
2¾ in....	.10	.60	3.35	4 in....	.25	1.15	6.00				

**NEPONSET GREEN FLOWER
POTS**

Especially adapted for growing plants. These are made in the same form as the familiar Neponset Red Paper Pot, but the paper has been specially treated with a waterproofing saturation. This treatment gives the paper peculiar properties which are extremely desirable for growing young plants. This makes it possible to take advantage of the full growing period of young plants without retarding root growth. Made in the following sizes:

	Doz.	100	1000
2 in.....	\$0.10	\$0.60	\$5.25
2½ in.....	.10	.65	5.50
2¾ in.....	.15	.70	6.00
3 in.....	.20	.85	7.00
3½ in.....	.25	1.15	9.25
4 in.....	.30	1.25	10.75
5 in.....	.35	1.75	15.50
6 in.....	.40	2.50	20.00

4 in., 5 in., 6 in., 500 to case for Parcel Post add 25c. for each 500. Dozen and 100 lots, postpaid.



Richmond Style



New York Style

N. Y. STYLE CEDAR TUBS

The New York Style tree tubs are made of seasoned selected Virginia white Cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and metal handles. These tubs are painted green. Hoops, handles and feet trimmed black.

	Top Diam.	Bottom Diam.	Depth	Price Each	Wght. Each Lbs.
No. 1.....	12 in.	9¾ in.	10⅝ in.	\$2.00	9
No. 2.....	13 in.	10¾ in.	12¾ in.	2.70	13
No. 3.....	14½ in.	12 in.	14¾ in.	3.25	15
No. 3½.....	16½ in.	14½ in.	15¾ in.	4.35	18
No. 4.....	19 in.	17¼ in.	16⅝ in.	4.65	21
No. 5.....	22 in.	20¼ in.	18½ in.	6.00	26

**RICHMOND STYLE CEDAR
TUBS**

The Richmond Style—similar to the New York Style, but does not have feet or handles.

	Inside top Diam.	Inside bottom Diam.	Inside Depth	Price Each	Wght. Each Lb.
No. 5.....	10 in.	7½ in.	9 in.	\$0.75	3
No. 7.....	12 in.	9 in.	11 in.	1.15	4½
No. 9.....	14 in.	11 in.	13 in.	1.75	7
No. 11.....	16 in.	12½ in.	15 in.	2.15	9

If wanted by Parcel Post, include postage.

**CEMETERY BOUQUET
HOLDERS**

5x9 in.....25c., postpaid 35c.

Lock
Folded



Not
Glued

**WATERPROOFED PLANT
BOXES**

Each containing 12 BB Craft Board Pots

Your plants can be transferred to the garden in BB Craft Board pots. Simply unlock bottom, fold flaps back and place in the ground without disturbing the roots. Package of 12 boxes. 15c. each, postpaid 22c.; 2 for 25c., postpaid 35c.

WOODEN PLANT BOXES

The front is removable, permitting sliding out the pots without breaking up the soil or disturbing the roots.

No. 1 Plant Box with 36, 2 in. pots. Each 75c., postpaid 90c.

No. 2 Plant Box with 16, 3 in. pots. Each 75c., postpaid 90c.

Kraft Board Pots, sold separately if desired. 2 in. 100 for 85c., 1000 for \$7.00.

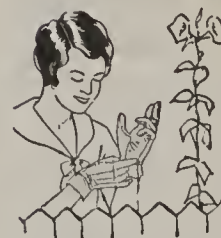
3 in. 100 for \$1.25, 1000 for \$10.00.



Watermat supplies moisture to the bottom of the clay pot. Fertilizes the roots from the bottom. Scientific, safe, sure. Cheap, indestructible, positive. A Watermat is your plant's life insurance. Watermat is sold in combination with a green, non-rusting, non-breakable, copper alloy saucer.

Watermat is manufactured in three sizes:

	Large size, 6 in.	Medium size, 4½ in.	Small size, 3½ in.	Watermat Combination
	\$0.30	.25	.20	
				Large.....\$0.50
				Medium......40
				Small......30

**National GARDEN
Eezy Wear Gloves****DIRT-PROOF, WASHABLE
GARDEN GLOVES**

ALL LEATHER and
DURABLE yet
SOFT AS KID and
EASY TO WEAR

—for Men and Women

Eezy Wear gives you everything you've been wanting in a garden glove: All leather protection from dirt, scratches, stains, infection — yet permit almost barehand freedom. Their amazing softness and pliability is the result of a special processing of select lamb skins. Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for gardening, housework, yard, painting, furnace, garage, etc.

Sizes for women (small, medium, large)—for men (small, medium, large). 75c. a pair postpaid. (2 pair \$1.40).

**Success
Flower
Boxes**

The Success Plant Box is made of strong, galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect. Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

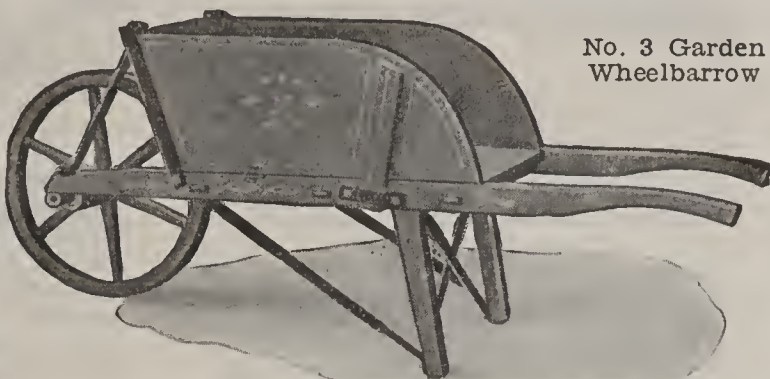
Length	Width	Depth	Each	Postpaid
24 in.	8½ in.	6½ in....	\$1.25	\$1.35
30 in.	8½ in.	6½ in....	1.50	1.65
36 in.	8½ in.	6½ in....	2.00	2.40

M.-S. LAWN AND GARDEN ACCESSORIES

No. 3 Wheelbarrow. A durable, neat garden barrow. Size of body 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 60 in. long; 2x1 $\frac{3}{4}$ in. wheel; 20 in. diameter. \$7.00. Boys or ladies' size \$6.00. Farm size \$9.00.

Steel Tray Barrow No. S22. Hardwood handles, capacity 3 cu. ft. \$4.50.

No. S3. Same size as above but all steel construction. \$8.50.



No. 3 Garden Wheelbarrow



Steel Tray Barrow No. S3

The "Out-U-Kum" Weed Puller

An entirely new principle. A slight push and pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root, with little or no clinging soil. 65c., postpaid 75c.



Fig. 17

Asparagus Knife, No. 2500. Fig. 17. Which makes a fine weeder as well. 35c., postpaid 42c.

Lang's Hand Weeder. Handiest tool on earth. 20c., postpaid 25c.

Hazelwood Hand Weeder. An old favorite and an indispensable tool in the rock garden. 50c., postpaid 55c.

Ezee-Crab-Grass Forks. For quickly and easily taking out crab grass from the lawn. 25c., postpaid 33c.

Eureka Garden Weeder. Fig. 11. 40c., postpaid 47c. Same with 2 ft. handle 50c., postpaid 58c. 4 ft. handle 60c., postpaid 73c.

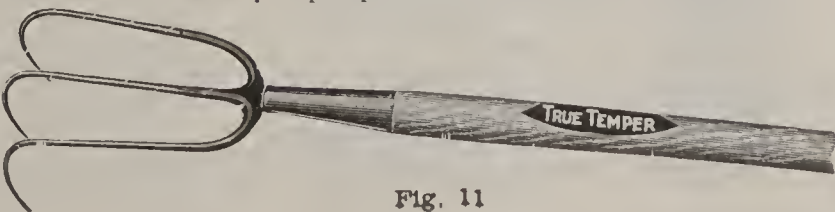


Fig. 11



Fig. 21

Steel Trowel. Fig. 21. Drop shank, best made. \$1.00, postpaid \$1.10.



Fig. 22

No. 212 One-piece Trowels. 25c., postpaid 30c.

No. 215 6-in. Trowel. 20c., postpaid 25c.



Fig. 19

Transplanting Trowels, No. 217. Fig. 19. 20c., postpaid 25c.

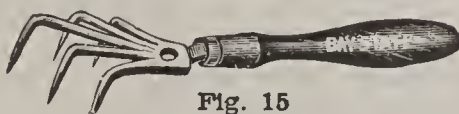


Fig. 15

Excelsior Weeder. Fig. 15. 20c., postpaid 25c.



Fig. 24

Garden Fork or Weeder, No. 300. Fig. 24. 45c., postpaid 52c.



Fig. 23

English Weeding Fork, No. 8125. Fig. 23. Solid steel. Note convenient handle. 60c., postpaid 67c.

Cleveland Weed Puller. Fig. 10. Valuable for extracting weeds from the lawn. \$1.00, postpaid \$1.08.



Fig. 20

Dibbles, No. 218. Bent wood handle. Fig. 20. 75c., postpaid 83c.



Planet Jr. Lifetime Bulb Trowel. 60c., postpaid 70c.



Planet Jr. Lifetime Trowel. 60c., postpaid 70c.



Planet Jr. Lifetime Weeder. 60c., postpaid 70c.



Fig. 10

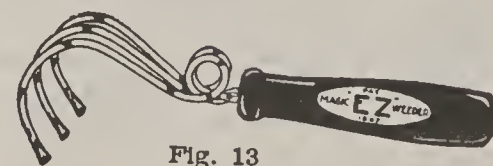


Fig. 13

Magic "EZ" Weeder. Fig. 13. These tools are of sturdy construction and the spring tines are of the best quality obtainable. No. A 15c., postpaid 22c. No. D, large size, 4-tined with hoe or scraper on back 30c., postpaid 38c.

Hole-in-One Planting Tools

Bring to you an improvement far in advance of former planting methods. The tapered cup removes the soil and makes a perfect planting hole in one operation. Especially adapted for bulb plantings and a fine tool for setting plants and seedlings. Whether for use in a small city garden, large estate or commercial nursery, hole-in-one is the ideal planting tool. Made of good materials, properly constructed, they will serve well for many years. Junior at 50c., postpaid 60c. Senior at \$4.00, postpaid \$4.25. Descriptive circular on request.



Kut-M-Off Weeder. 25c., postpaid 35c.

Kneeling Pads. Found most convenient and serviceable for many uses, in gardening and housekeeping. Made of best Para rubber. 50c. postpaid.

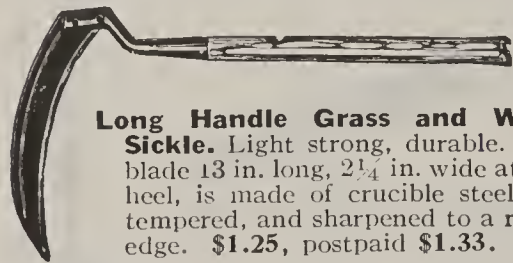
GRASS HOOKS OR SICKLES



No. 2 English Grass Hook. Riveted back. 85c., postpaid 95c.

Village Blacksmith Grass Hook No. 35. Best steel. 75c., postpaid 85c. **No. 40.** Detachable blade 65c., postpaid 75c.

German Grass Hook No. 2. Very durable good material. 60c., postpaid 70c.



Long Handle Grass and Weed Sickle. Light strong, durable. The blade 13 in. long, 2 1/4 in. wide at the heel, is made of crucible steel, oil tempered, and sharpened to a razor edge. \$1.25, postpaid \$1.33.

Grass Shaver. A sickle using discarded safety razor blades. \$1.00, postpaid \$1.10, complete with blades.

CORN HOOKS AND KNIVES

Village Blacksmith No. 1 Knife. 50c., postpaid 60c.

American Corn Hooks. 50c., postpaid 60c.

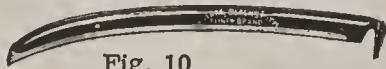


Fig. 10

Scythes, Grass. German, 32 in. long. \$2.50.

Scythes, Grass. 30, 32 and 34 in. long. Fig. 10. \$1.50.

Scythes, Weed and Bush. 18-, 22-, 26-, 28-in. long. \$1.60.

Scythes, Grass. Imported. Riveted back. 32, 34, 36 in. \$2.80.

Austrian Scythe No. 4. 3 in. \$2.15.

Austrian Scythe No. 46. 32 in. \$2.25.

Snaths No. 50. Special railroad, extra heavy construction with swing plate; has a heavy loop bolt. **No. 55,** solid plate. \$1.50, either style.

Whetstones. Carborundum 35c., p.p. 42c.

Talacre Stone. Each 25c., postpaid 35c.

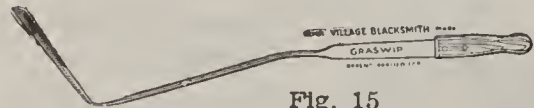


Fig. 15

Graswip. Grass and weed cutter. Double edged, cuts on the forward and backward stroke. \$1.00, postpaid \$1.10. Fig. 15.

MEYER'S HANDY HOE

This narrow blade will safely and thoroughly cultivate and weed spots usually neglected because of likely damage resulting from the use of ordinary tools. The long handle reaches every nook and cranny; doing away with the old-fashioned back-breaking method of gardening. The hoe is light in weight, yet strong and durable. A profitable and labor-saving tool for any gardener—a delight to the woman gardener. Price 75c., postpaid 85c.



BUSH AND BRUSH HOOKS



Brush Killer (shown above). For heavy cutting. Because of the heavy gauge specially tempered steel blade, this tool will bear an unlimited amount of punishment and abuse. The blade is thicker and stiffer and shorter, and is sharpened all around. The sharp curved "Back" makes this tool fine for cutting right through the ground and cutting off roots of small saplings. It is the same as two tools in one. Regularly furnished 17 in. blade, 36 in. selected second growth hickory handle. \$3.00, postpaid \$3.15.

Weed Slugger (like above). For general cutting. \$2.50, postpaid \$2.65.

Briar Chaser. Like above, but lighter. \$2.25, postpaid \$2.40.

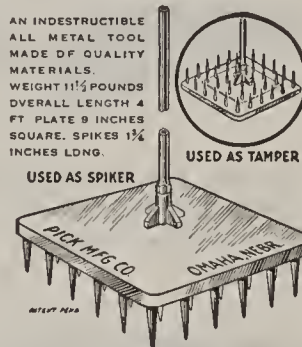
Planet Jr. Edger, No. 2. Fig. 18. \$1.65, postpaid \$1.75.

True Temper Edger, No. 40F. For edging walks. \$1.00, postpaid \$1.10.



Fig. 18

SPIKE TAMP



A Wonderful Lawn Tool. Use when seeding or top dressing, use to spike hard spots and pulverize clods. Saves money on seed, plant food, and water. Assures a fine lawn. Guaranteed against breakage. \$4.50.

Bush Hook, Little Giant. With cutting edge on back. \$1.50.

Best Grade Pick. 90c., with handle \$1.35.

Best Mattock. \$1.25, with handle \$1.65.

Mattock, Pick and Ax Handles. Each 40c., postpaid 50c.

Lightweight Mattock. 1.25

Light Weight Mattock Hoe. 1.25

Lightweight Mattock Pick. 1.25

JAPANESE BEETLE TRAP



This trap is similar in design to the trap used by the U. S. Department of Agriculture. Especially suitable for larger homes, or estates with more extensive grounds. Enamelled green and white; will last for years. Fitted with a standard screw cap for quart and two-quart Mason jars, and with swing handle for hanging in place. Differs from other types in having two wings crosswise at the top. This design has proven very successful in catching beetles.

Type 0—Designed for use with dry bait, 40c., postpaid 50c.

Type 4—Handles liquid or dry bait, \$1.00, postpaid \$1.12. For Bait, see page 42.

WATERING CANS



Long Spout Watering Pot (Round pattern). Equipped with 2 copper faced roses,

1 fine, 1 coarse with each can. Made of heavy galvanized iron.

4 qt.	\$4.50	10 qt.	\$5.75
6 qt.	5.00	12 qt.	6.00
8 qt.	5.25	16 qt.	7.75

Made of heavy galvanized iron, removable rose.

4 qt.	\$0.65
6 qt. ....	.85
8 qt. ....	.95
10 qt.	1.05
12 qt.	1.10
16 qt.	1.45



M.-S. WATER BALLAST LAWN and TENNIS COURT ROLLERS

Equipped with Ball Bearings and Scraper

No. 601—Diam. 14 in., length 24 in. Weight empty, 70 lbs.; filled with water, 175 lbs. \$11.00

No. 602—Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. 12.00

No. 603—Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. 15.75

No. 604—Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. 17.50

Plain Bearings—No Scraper

No. 605—Diam. 14 in., length 24 in. Weight empty, 70 lbs.; filled with water, 175 lbs. \$9.00

No. 606—Diam. 18 in., length 24 in. Weight empty, 85 lbs.; filled with water, 265 lbs. 10.75

No. 608—Diam. 24 in., length 24 in. Weight empty, 110 lbs.; filled with water, 420 lbs. 14.00

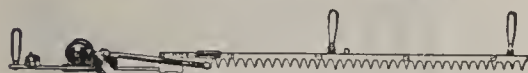
No. 609—Diam. 24 in., length 32 in. Weight empty, 130 lbs.; filled with water, 566 lbs. 16.25

"LITTLE WONDER" HEDGE TRIMMERS



Hand operated

Electric and Hand Models



Electric-driven

Revolutionizes hedge trimming

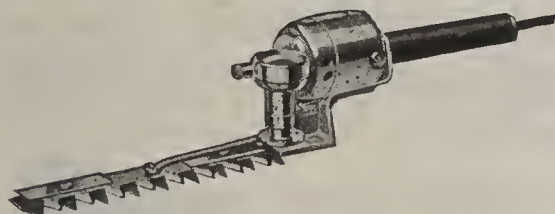
Hand Models

30 in. size.....	\$27.50
40 in. size.....	30.00
60 in. size.....	35.00
Side Cutting Carriage.....	5.00

Electric Models

27 in. Junior with 15 ft. of wire.....	\$55.00
36 in. Senior with 15 ft. of wire.....	100.00
60 in. Senior with 15 ft. of wire.....	105.00
100 ft. lengths best quality rubber covered waterproof wire with handy reel	4.50
Portable Electric Generator mounted	200.00

DUMORE ELECTRIC HEDGE TRIMMER



This modern and efficient device provides more uniform and consistent hedge beauty, at a distinct saving in time, labor and expense. Great care has been taken to provide perfect balance and light weight, making it easy to trim the hedge from any position or angle. Manipulated in one hand, it is suitable for horizontal and vertical trimming and readily adapts itself to special hedge shapes or contours in formal gardens. The Dumore Trimmer is equipped with a light but dependable Dumore motor that operates on either A.C. or D. C. current. A convenient switch furnishes instant control. Specially designed blades with both reciprocating and radial action provide a clean, smooth cutting motion that trims tough or tender growth without breaking or damaging the twigs. This trimmer will cover any area of hedge in half the time required by tedious hand methods. Selling at only a fraction of the cost of most mechanical trimmers, the entire unit, with three feet of rubber covered extension cord, represents a sound investment at only \$24.50.

30 ft. of rubber covered extension cord fitted with separable plug.....	2.00
50 feet of rubber covered extension cord fitted with separable plug.....	3.25
100 ft. of rubber covered extension cord fitted with separable plug.....	6.00

FLOWER SCISSORS.

Imported. \$2.75.

F. H. 2. Nickel finished, sure to hold flower after being cut. \$1.50.

F. H. 2-G. Finished in green. 85c.

No. 750. Green enameled handle. 60c.

Willt-Less Flower Cutter. It makes a cut at the proper angle. Blooms last days longer. \$1.50.

No. C-4. 7½ in. Wiss flower thinning shear. Ideal for cutting flowers, also for cutting small fruit and thinning Grapes. \$1.25.

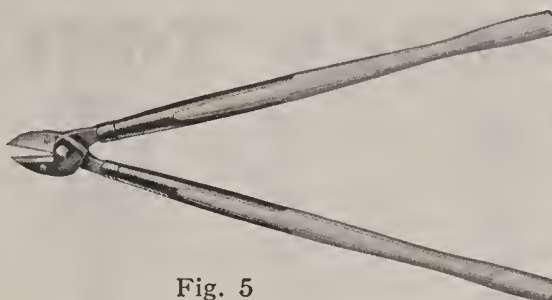


Fig. 5

LOPPING SHEARS

No. 149 HH. For trimming trees, bushes, heavy shrubbery, etc. Using the famous *Snap Cut* action. 27 in. handle. \$3.50. Parcel post weight, 5 lbs. Fig. 5.

Lopping Shears No. 100. 20-in. handle, \$1.00. Weight 3 lbs.

M.-S. Lopping Shears. Curved blade and hook. Forged steel, handles riveted through ferrules and tang; 24 in. handles. For light work. \$1.75. Parcel post weight, 4 lbs.

M.-S. Draw-Cut Lopping Shears. For heavy work. 24 in. handle. Weight, 5 lbs. \$3.25.

Pruning Knife No. 1. Wood handle. \$1.00, postpaid.

Budding Knife No. S1944W. American make, 1 blade, white handle. 90c. postpaid.

Budding Knife No. 7164½W. 2 blades. \$1.00.



Pruning Saws. Double or single cuttings edge, \$2.00.

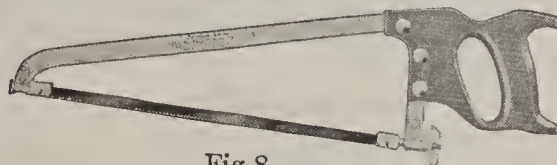


Fig. 8.

No. 714—Blade can be set in any position and is removable for sharpening. Each \$2.50, postpaid \$2.62. Weight 2 lbs. Fig. 8.

No. 514—Blade has long, easy cutting teeth, the curved blade permits working in dense growth. Each \$1.50, postpaid \$1.60.

No. 10 Telephone Saw, with highest grade needle toothed, fast cutting blade. \$2.50, postpaid \$2.62. 10 ft. handles for same \$1.00.



HAND PRUNING SHEARS

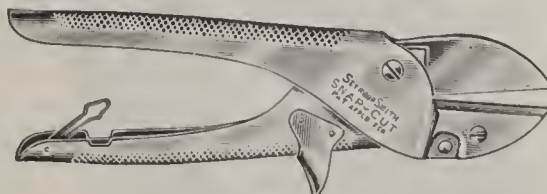
All Postpaid

No. 109 Wiss Hand Pruner. Strongest and best pruner made. \$3.00.

No. V 139. 9 in., similar to illustration, with adjusting nut and regulating ratchet, steel blades of extra quality steel. \$1.50.

No. V 179. 9 in., a good pruner. \$1.00

No. 145G. 6 in. Ladies' pruner. \$1.00.



Snap Cut Pruner, No. 119. An improved easier cutting pruner. \$1.75. Ladies' size, No. 118, \$1.25.

Clipper Pruner, No. 122. Similar to above, not polished. 90c.

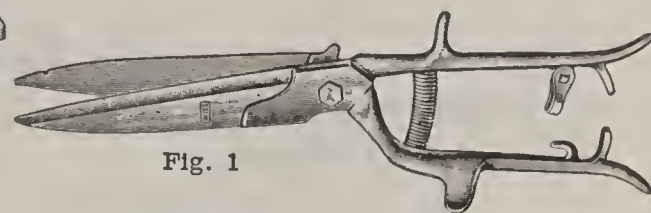


Fig. 1

No. 600 Wiss Grass Shear. Best quality with offset handles. Fig. 1.....\$1.25

No. 3. Very much like above75



Grass or Sheep Shears. 75c., postpaid..... .85

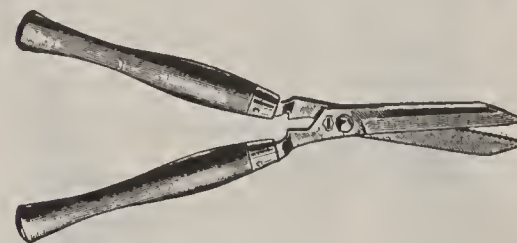


THE NEW WISS-KLIP GRASS SHEARS

These new style "Wiss-Klip" Grass Shears are equipped with adjusting nuts and swinging shackle which enables the blades to be spread apart for resharpening. For resharpening loosen one nut, swing back shackle and spread blades apart.

No. 700—Length over all 12 in.....\$1.25

All above postpaid.

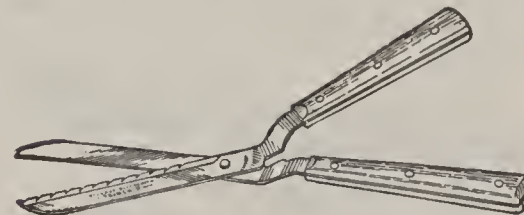


WISS HEDGE SHEARS

(Style B)—Postpaid

These shears are made to meet the demand for a better balanced, easier cutting and more durable hedge clipper.

6½ in. . . Each	\$1.50	8½ in. . . Each	\$2.00
7½ in. . . Each	1.75	9½ in. . . Each	2.25
10 in., replaceable blades	Each	\$3.50	



Trimsnip. Hollow ground, blades serrated and notched, 8 in. handles riveted. \$2.35.

Ladies' Hedge Shears. 5½ in. cut. \$1.00, postpaid.

Lawn Shears, Imported. Two wheels, 9 in. blade, long handle for cutting on narrow borders, under fences and shrubs. \$4.25. Parcel post weight, 5 lbs.

Border Shears. Same as above, but the blades are shaped vertical for trimming borders. \$4.25. Parcel post weight, 5 lbs.

GARDEN TOOLS

TREE AND SHRUB PRUNERS



A new handy light weight pruner with unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses and shrubs, saving the hands from scratches. With it you can cut at the ground without bending over, or pick high growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts $\frac{3}{4}$ in. branches.

No. 196—6 ft. long, \$4.00, postpaid \$4.20.

No. 194—4 ft. long, \$3.50, postpaid \$3.68.

TREE PRUNERS

Express or freight only. Made of best material.

10 ft. \$2.15

12 ft. 2.35

Not available.

TELEPHONE TREE PRUNER



Fig. 2

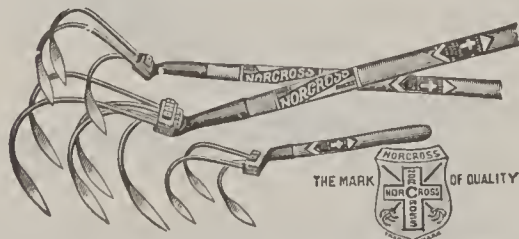


Fig. 3

To be attached to pole. \$1.75, postpaid \$1.85.—Fig. 3.

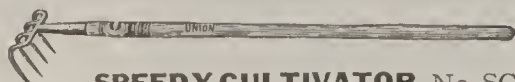
No. 11, Fig. 2, \$2.20, postpaid \$2.30.

SOLID POLES—Without Joints. For pruners, saws, fruit pickers, window washers, etc. Sitka or Aeroplane spruce; very strong and light weight. $1\frac{1}{2}$ in. square, 10 ft. lengths, \$1.00. **Extra Blades** for Snapcut pruners, 50c.; for other pruners, 25c., both postpaid.



NORCROSS CULTIVATORS

Three sizes and prices. 5-pronged, 4 ft. handle \$1.40, 3-pronged, 4-ft. handle \$1.10. "Midget," 9-in. handle 60c., postpaid \$1.55, \$1.20 and 70c. respectively.



SPEEDY CULTIVATOR. No. SC4. Cuts in half the time of cultivating. Makes it a pleasure. \$1.15, postpaid \$1.25. **Best Grade Ax.** Guaranteed article. \$2.00. **Best Hatchets.** Each \$1.50, postpaid \$1.60.



Fig. 23



Fig. 4



MANURE AND HAY FORKS

Four-Diamond Tines, D handle No. 151.....\$2.90
Five Diamond Tines, D handle No. 157. 4.00
Four Oval Tines, D handle No. 163.... 2.90
Five Oval Tines, D handle No. 167A... 3.80
Four Tine, long handle No. 044X..... 1.50
Three Tine Hay Forks, No. 036..... 2.10
Ensilage Fork, No. 506—6 tine..... 2.95
No. 508—8 tine..... 3.10
No. 510—10 tine..... 3.65

SPADING FORKS

Four Tine, D handle, No. OHD.....\$1.90
Four Tine, D handle, English ED 4D... 2.90

HOES

6 $\frac{1}{2}$ inch blade, No. G 06 $\frac{1}{2}$ X.....\$1.20
7 $\frac{1}{2}$ inch blade, No. G 07 $\frac{1}{2}$ X..... 1.30
One Prong Weeding, No. 1 PF..... .85
Two Prong Weeding, No. 2 PF..... .95
Heavy Grubbing, D. E. 3H..... 1.55
Potato Hook or 4-Prong Hoe, No. 4 BOL..... 1.40

SHOVELS

Round Point, long handle No. BX 111P.\$2.10
Round Point, long handle No. BXLOP. 1.80
D Handle, Square Point, No. 3..... 1.85
D Handle Scoop Shovel, No. 6, No. CE 56..... 1.80
D Handle Scoop Shovel, No. 8, No. CE 58..... 1.90
D Handle Manure Shovel, No. 6..... 2.00

SPADES

Long Handle Garden Spade, No. BX 232P.....\$2.10
Standard Garden, No. BE 232P..... 1.80
Heavy Nursery, D handle, No. E300.. 4.25
Turving Sod Lifter, No. 168..... 2.50
Thistle and Dock Cutter, No. 131.... 1.95

GARDEN TOOL SET

True Temper Ladies' and Children's. Fig. 9. Not toys, but tools that will do and stand the work.

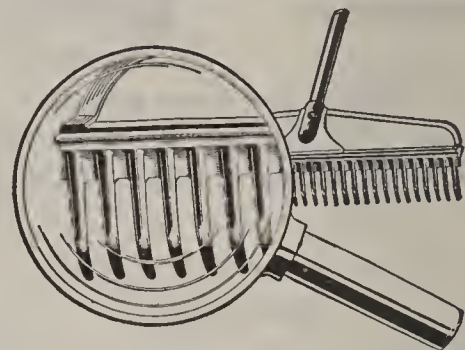
Single tools:
Shovel 90c., **Rake** 60c., **Hoe** 75c.,
Spading Fork \$1.00;
postpaid,
Set \$3.00.

Postage for separate tools, add 10c. each.

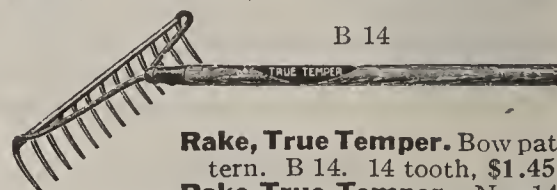


Fig. 9

GUMFINGER LAWN AND LEAF RAKE



Light, sturdy, easy to handle. Rubber teeth are guaranteed for 3 years. Teeth will not clog up with dead leaves. Sweep clean without uprooting grass. Won't injure tender grass or shrubs. Teeth adjust themselves to irregularities of ground. Fine for getting trash on drives or lawns. Children can't injure themselves on rubber teeth. 16 in. \$1.00, 20 in. \$1.25, 24 in. \$1.50.



B 14

Rake, True Temper. Bow pattern. B 14. 14 tooth, \$1.45.

Rake True Temper. No. 14. Regular pattern, 14 tooth. \$1.30.

Rake, Wire Lawn. Heavily reinforced, best made. 24 teeth 90c., 46 teeth \$1.40.

Rake, Lawn. Olsen. All wood, 26 teeth. 75c.

Rake. Wood, 28 teeth, 3 wire bow braces. 80c.

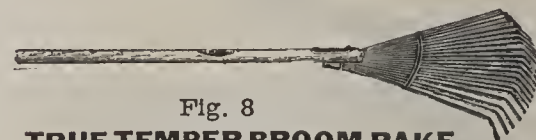


Fig. 8

TRUE TEMPER BROOM RAKE

A general outdoor broom for lawns and gravel paths. \$1.10, postpaid \$1.20. Fig. 8.

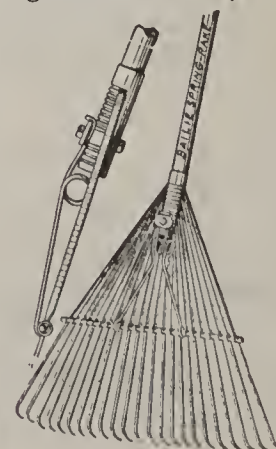
BAMBOO METAL-GRIP LAWN RAKE

Not the old flimsy kind. Made to last. 18 in. 50c., 24 in. 80c., 30 in. \$1.30.

The
Lawncomb



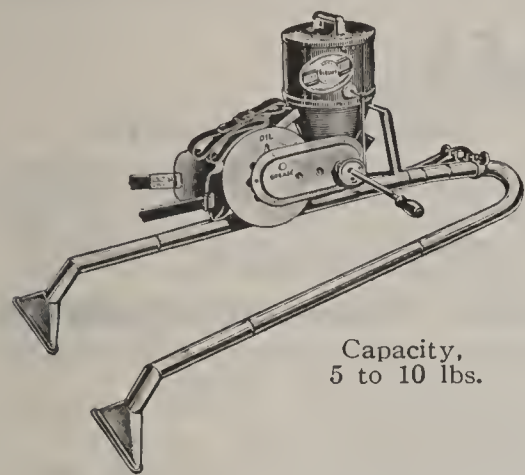
Light, strong, flexible, unequalled for cleaning lawns. 18 in. \$1.35, 24 in. \$1.75.



BAILIE SPRING BROOM RAKE

The best we have seen to date. Light, yet strong and durable. Impossible for teeth to drop out or handle to come off. The steel spring teeth are very flexible and made in one piece strongly reinforced.

\$1.75, postpaid \$1.87



Capacity,
5 to 10 lbs.

PLATZ FAMOUS DUSTER

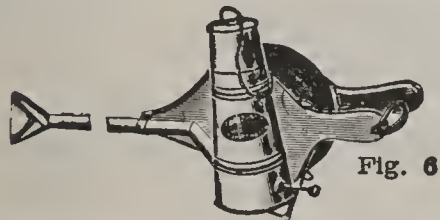


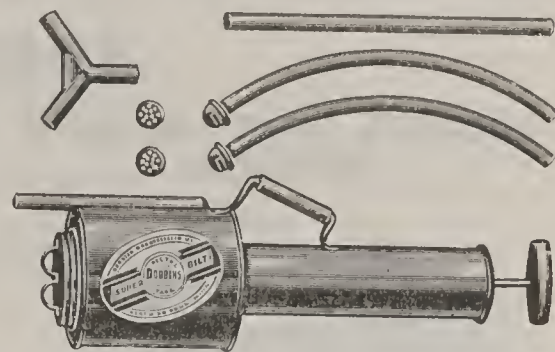
Fig. 6

Its agitator will crush and sift sulphur as well as the standard dusting materials. Regulator is adjustable for a light or heavy application. Bellows of high quality leather. Extension pipes and spreader. 24 in. Capacity 1 lb. \$6.00 postpaid. Fig. 6.

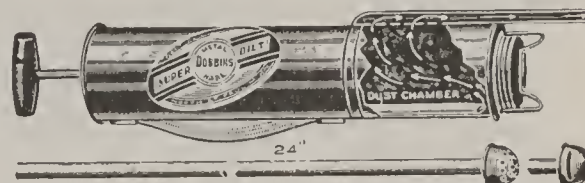
DOBBIN'S SUPERBILT DUSTERS

No. 200. This duster is designed to discharge the dust in rear of the operator, eliminating the need of walking in the dust and the possibility of inhaling poisonous insecticides. It is held securely in position by body support with shoulder and waist straps. Each elbow fitted with thumbscrew clamp, any angle of discharge can be maintained and can be quickly adjusted to meet any condition. Can also be used to discharge in front of the operator. Weight 11 lbs. Each \$12.70.

No. 100. Capacity 3 to 6 lbs. \$9.35. Can be made to discharge in rear by adding No. 1208 fitting. Price of fitting, \$1.65.



No. 120. A new principle is embodied in the design of this duster, which delivers a uniform film covering dust cloud. The pump is very powerful, the special nozzle caps assure effective and economical application of all dust insecticides. Two rows can be dusted at one time or the top and underside of a plant can be dusted at one operation. A splendid duster for all crops. Weight 3½ lbs. Each \$2.95.



No. 132. A new type dust gun; assures a uniform discharge with every stroke of the pump down to the last particle of dust. Furnished with 2 nozzle caps for dusting, either top or underside of leaves. Equipped with 24-inch extension. \$1.00, postpaid \$1.10.



No. 130. A high grade powder duster, recommended for household use. Each 45c., postpaid 55c.

ACME DUSTERS

No. 313 (Capacity 1½ quarts)



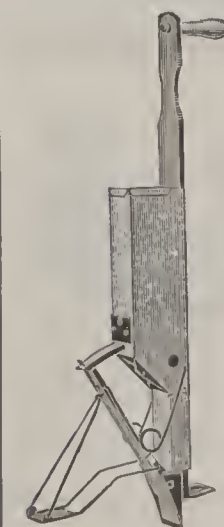
This duster consists of a tight, valveless bellows, with extension tube and spreader nozzle for placing the dust either on top or underside of the foliage. Will handle all dry insect powders for garden, poultry and stock. Each \$1.65, postpaid \$1.80.



No. 390. Well made. The user can stand upright and force the powder through the foliage from the ground to 7 feet. Each 75c., postpaid 90c.

ACME CORN PLANTER

This segment Corn planter is of a very popular pattern, adjustable gauge and seed drop. Can also be used for planting Peas and Beans. Operation automatic, accurate and easy. Each \$1.80, postpaid \$2.00.



CORN SHELLER RED CHIEF

(Hand Model)

Self-adjusting to any size ear. Weight 12 lbs. \$2.25. For larger sizes, see page 56.

PARAGON SPRAYERS

For Spraying Whitewash, Water Paint, Insecticide
No Straining of Materials—Cleans Automatically



NO. 0 (3½ gallon)
Equipment furnished:
4 ft. Special Spray Hose;
3 ft. Spray Pipe; Shutoff
Valve; 3 Spray Nozzles.

Complete, \$12.95

NO. 5 (50 gallon Barrel)
Has all Brass Pump.
Equipment furnished:
25 ft. Hose; 10 ft. Ex-
tension Pipe; Shutoff
Valve; 3 Nozzles.

Complete \$45.00

PARAGON NO. 1 (Above)
6 gallon capacity

Equipment furnished: 5
ft. Special Spray Hose;
5 ft. Spray Pipe, total reach
10 ft.; Shutoff Valve; 3
Spray Nozzles.

\$17.75

NO. 4 (28 gallon)

Equipment furnished: 20
ft. Special Spray Hose; 10 ft.
Spray Pipe; Shutoff Valve;
3 Spray Nozzles. Bbl. type.

Complete \$39.50, without
wheels \$31.50.



SPRAYER NO. 3 (12 gallon)

Equipment furnished: 10 ft.
Special Spray Hose; 7½ ft.
Spray Pipe, total reach 17½ ft.
Shutoff Valve; 3 Spray Nozzles.

Complete with single or 2 wheel
truck \$23.50, without truck
\$19.50.

SOWRITE SEED SOWER

Sows seeds at a touch; it scatters seeds individually, prevents crowding and choking of the seedlings when coming up. Sows either flower or vegetable seeds. 50c. postpaid.

CAHOON SEED SOWER

Sows Timothy, Clover, Oats, Wheat, Rye, etc. \$5.00, postpaid \$5.25. Fig. 8.

THE CYCLONE SEED SOWER

Practical and all-around, first-class grain and grass sower. \$2.75, postpaid \$2.85

HORN SEED SOWER

90c., postpaid \$1.00.

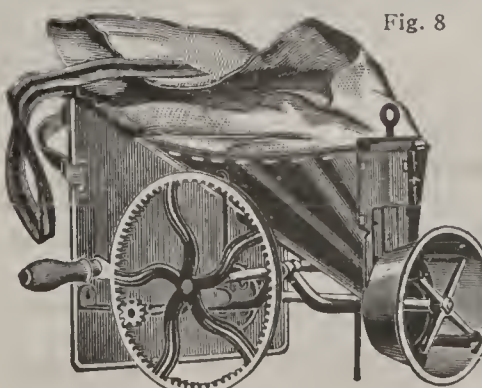
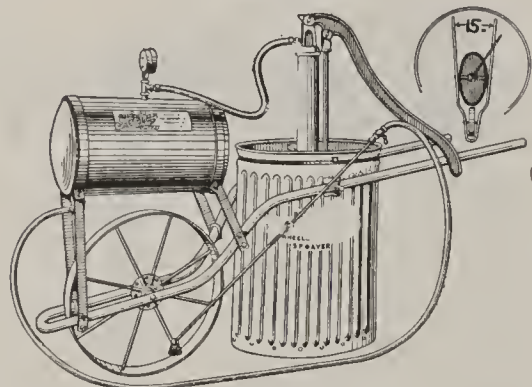


Fig. 8

SPRAYERS AND NOZZLES

BROWN'S WHEEL-BARROW SPRAYERS



No. 57. Has 18-gal. capacity and a 250 lb. high pressure air tank with pressure gauge, paddle agitator, 12½ ft. hose, 2 ft. 8 in. iron extension and non-clog nozzle. For spraying orchards, field crops, gardens, and all general spraying. \$33.50. Shipping weight, 98 lbs.

No. 30D—Similar to above, less pressure tank, has 12 gal. capacity, 8 ft. of hose. \$14.50. Shipping weight, 44 lbs.



ROBERTSON SPRAYER

The most efficient hand sprayer ever offered; easy to operate and gives a continuous spray. Both style sprayers have brass tubes and fittings. Standard size having 1 qt. container.

Tin Pump and Galvanized Iron Container.....\$1.10

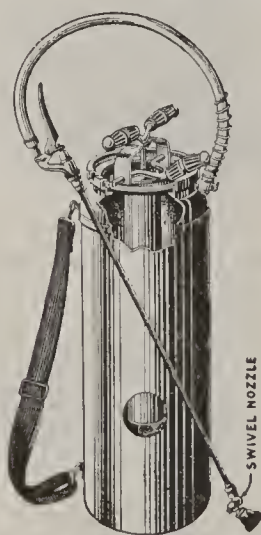
Brass Pump and Container..... 1.65
If to go by parcel post, add 10c. to each.

HIGH PRESSURE KNAPSACK



Extremely high continuous pressure, large head with hinged cover diaphragm pump connected directly, self-oiling ball and socket fulcrum, center pump gives better balance, more pressure, fewer strokes, less work. Right or left hand operation. Capacity, 4 gals. Weight 15 lbs. **No. 45G** galvanized tank \$14.00; **No. 45B** copper tank \$21.25.

BROWN'S NEW OPEN-HED SPRAYER



Capacity 4 gals. 2 ft. extension with each machine.

No. 4B—Brass-copper Alloy. \$11.95,
postpaid.....\$12.15

No. 4D—Heavy Steel, Galvanized.
\$7.50, postpaid..... 7.68

No. 3B—Brass-Copper Alloy. \$10.75,
postpaid.....10.90

No. 3D—Heavy Steel Galvanized.
\$6.75, postpaid..... 6.90

VAUGHAN SPRAYER

No. B7—Continuous pressure type, all working parts made of brass. Syphon tube can be cleaned instantly and centers itself automatically upon replacing. Capacity 1 pint. 25c., postpaid 35c.

SPRAY PUMP ACCESSORIES

Non-Clog Jr. Brass Nozzle. Either straight or 45 degree angle. Each 60c.

No. 431-3, Auto Pop Nozzle. Complete \$1.50.

No. 80, Bordeaux Nozzle. \$1.00.

No. 415-1, 2 ft. Brass Extension. 60c.

Vermorel Nozzle, No. 92. All brass. The plunger pin can be forced through the hole in nozzle cap to clean nozzle when clogged. Desirable for spraying whitewash, cold water paints, etc. ¼ in. pipe thread. 75c., postpaid 80c.

All Nozzles postpaid

No. 42, 8 ft. Bamboo. Price with stop cock (not mailable) \$4.50.

No. 44, 10 ft. Bamboo. Price with stop cock (not mailable) \$4.75.

No. 46, 12 ft. Bamboo. Price with stop cock (not mailable) \$5.00.

Spray Hose. ½ in., best made, all rubber. 18c. per ft. postpaid.

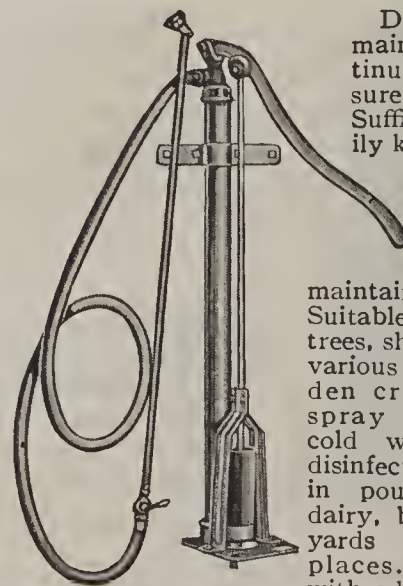
½ in. **Clamps** for same. Each 5c., doz. 50c., postpaid.

½ in. **Hose Couplings.** Pair 25c. postpaid.

½ in. **Male Fittings No. 137.** 25c. postpaid.

½ in. **Female Fittings No. 137.** 25c. postpaid.

BARREL SPRAY PUMP



Designed to maintain a continuous high pressure of 200 lbs. Sufficient to easily keep two lines of hose in operation continuously. Easy to operate and maintain pressure.

Suitable for spraying trees, shrubbery and various kinds of garden crops. Will spray whitewash, cold water paints, disinfectants. Used in poultry houses, dairy, barns, stockyards and similar places. Equipped with adjustable barrel clamp that will fit any barrel. Eight feet of ½ in. high pressure spray hose, ¼ in. brass shut-off cock and three feet of ¼ in. iron pipe extension rod, equipped with brass nozzle for fine and coarse spray; also solid stream. Weight 31 lbs. Each \$9.60, postpaid \$10.00.

BROWN'S AUTO SPRAYERS Funnel Top

Sturdy, compressed air sprayer, capacity 3¾ gallons. Equipped with 20-inch hose and 18 inch extension pipe.

No. 350D—Galvanized tank.....\$4.25

Jr. Sprayers

Built exactly like our 3¾-gallon sprayers, except tank is 2½ gallon capacity. 18 in. extension with each sprayer.

No. 37B Jr.—Brass tank.....\$6.00

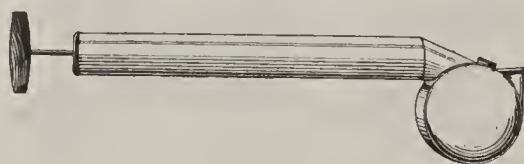
Parcel Post, add 20c. to each

BROWN'S No. 26BG GLASS JAR SPRAYER

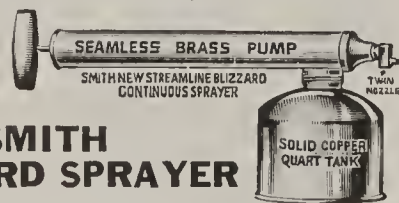


Gives a very fine, penetrating, misty spray. The strong glass jar is of quart capacity. \$1.20, postpaid, \$1.35.

SINGLE ACTION SPRAYER



A strong atomizer made of heavy tin.
No. 12—Pint size, 30c., postpaid 40c.
No. 14—Quart size 40c., postpaid 50c.



SMITH BLIZZARD SPRAYER

No. 14C—Has seamless brass pump, solid copper tank, full quart size and twin nozzle.
Each \$2.25, postpaid \$2.40.

Smith Bomber, 2 qts. \$3.50, postpaid \$3.65.

RUBBER PLANT SPRINKLERS

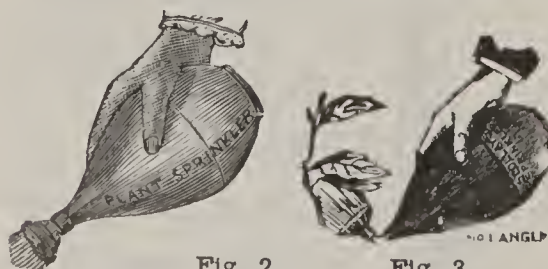


Fig. 2

Fig. 3

No. 28A—8 oz. angle neck. See Fig. 3. 90c., postpaid 98c.

No. 28—Straight neck. See Fig. 2. 90c., postpaid 98c.

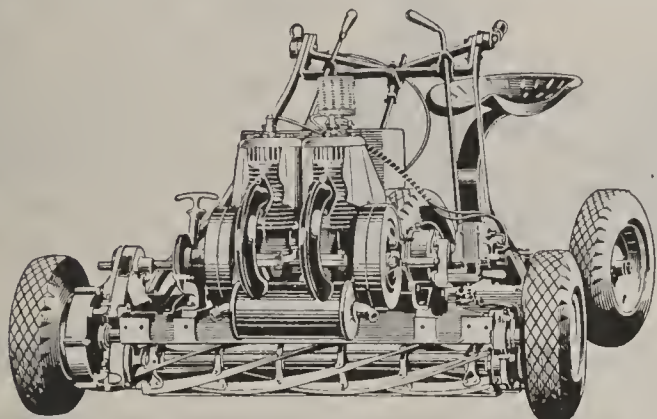
Spray Bulb. 4 oz. capacity 50c., postpaid 55c.

JACOBSEN POWER MOWERS

PRICES FURNISHED UPON REQUEST

A mower for every purpose. Demonstrations to prospective buyers. Illustrated and descriptive catalog on request

THE NEW 32 INCH HEAVY DUTY MOWER WITH TWIN MOTOR



32 in. Heavy Duty Twin Motor, available with metal or rubber-covered traction wheels.

Gang Attachment, including Hitch and two 20 in. power driven side units.

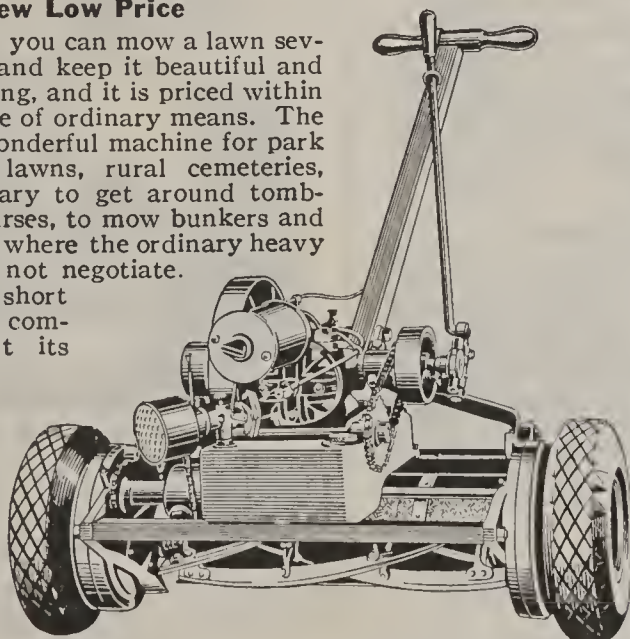
Rubber Tired Riding Sulky.

SIMPLEX—A NEW 20 INCH MOWER

At a New Low Price

With this mower you can mow a lawn several times a week and keep it beautiful and neat all Summer long, and it is priced within the reach of anyone of ordinary means. The new 20 inch is a wonderful machine for park trimming, school lawns, rural cemeteries, where it is necessary to get around tombstones; for golf courses, to mow bunkers and sides of sand traps where the ordinary heavy power mower will not negotiate.

Its light weight, short turning radius and compactness permit its speedy, handy operation among trees, on hillsides and terraces and other hard-to-get-at places. And it is so simple in construction that even a boy can operate it.

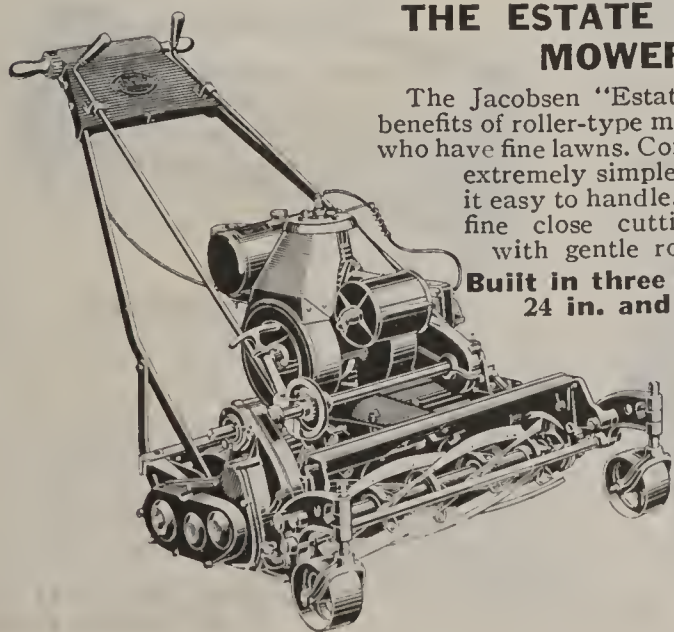


THE ESTATE ROLLER MOWER

The Jacobsen "Estate" brings the benefits of roller-type mowing to those who have fine lawns. Compactness and extremely simple control make it easy to handle. Designed for fine close cutting combined with gentle rolling effect.

Built in three sizes; 20 in., 24 in. and 30 in.

The 30 inch is equipped with larger motor.



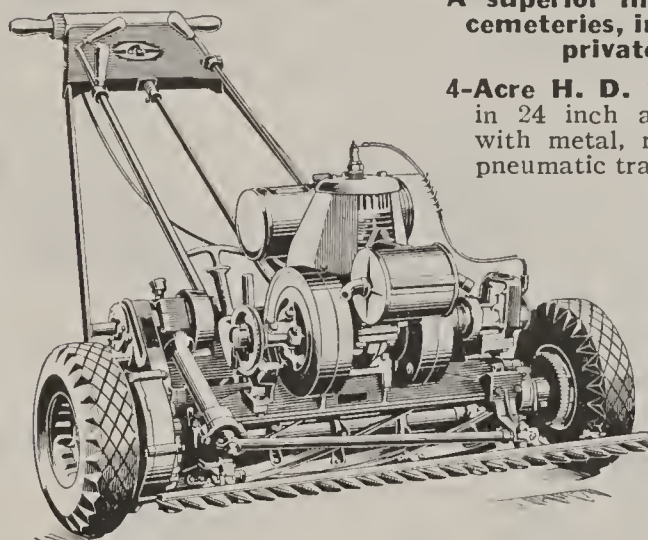
4-ACRE HEAVY DUTY MOWER

A superior mower for parks, cemeteries, institutions and private estates

4-Acre H. D. Mower, available in 24 inch and 30 inch cut, with metal, rubber covered or pneumatic traction wheels.

With the **sickle-bar attachment**, the new **power driven trimmer unit** and the riding sulky, the 24 in. "4-Acre" remains, as it has long been recognized, the most adaptable and most efficient power mower for

meeting diverse conditions with a single machine.



The Riding Sulky

Attached to 4-Acre Heavy Duty Mower.



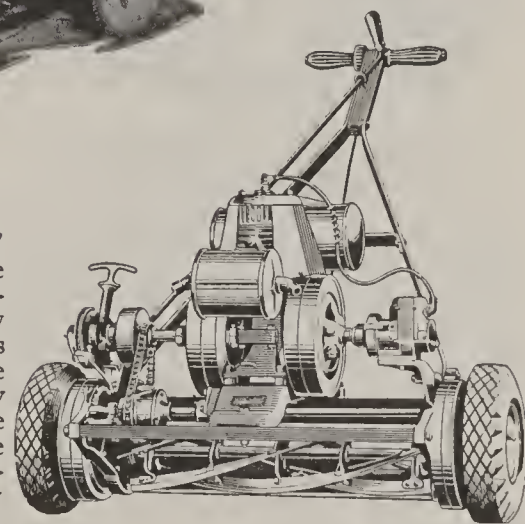
Sickle Bar Attachment

Attached to 4-Acre Heavy Duty Mower and 24 in. or 30 in. Estate Roller

STURDEX

20 and 24 inch cut

The Jacobsen "Sturdex" is a powerful machine priced to provide large-capacity mowing at a low initial cost. Its design is based on that of the "Simplex" — proved by years of actual field use under the most severe conditions. But the "Sturdex" has been built for heavy-duty work.



Grass Catchers for all models.

Mobile "A" Oil. Recommended especially for use on power mowers. \$1.25 per gal., postpaid \$1.45.

Partial List of Jacobsen Power Mower Users—

White House..... Washington, D. C.
U. S. Soldiers Home..... Washington, D. C.
U. S. Veterans Bureau..... Washington, D. C.
Mt. Vernon..... Mt. Vernon, Va.
Gold Dust Corporation..... Baltimore, Md.
Calvert Distillery..... Relay, Md.
Museum of Art..... Baltimore, Md.
St. Charles College..... Catonsville, Md.
Parkview Cemetery..... Parkville, Md.
St. Thomas Church..... Owings Mills, Md.

Also hundreds on private estates.

SERVICE DEPARTMENT—Our service department is thoroughly equipped to give prompt and efficient service. We repair, sharpen or adjust any model power or hand mower. All work called for and delivered.

M.-S. RELIABLE LAWN MOWERS, ETC.

Our Mower Must Give Results

THE JOHNSTON PRESSED STEEL LAWN MOWER

Pressed steel construction, not cast iron or cast steel. Light in weight. All wearing parts hardened

A Six-year-old Boy Can Run It

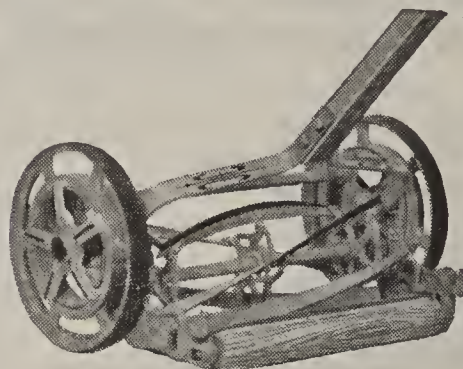
The rigid steel cutter bar with its rigid die steel knife will not give under cutting pressure like a less rigid bar with a spring steel knife. The grass cannot wedge between, so it is not necessary to back up and get a new start every few feet. Johnston pressed steel lawn mowers are more expensive to make because of the quality and accuracy built into them; the very properties which make them efficient, long wearing and easy running mowers; yet they cost no more than good cast mowers.

Style "A" has five blades, 16 in. cut, \$18.00, 18 in. cut, \$19.00.

Especially recommended for estates, golf courses and cemeteries.

SERVICE DEPARTMENT—Our service department is thoroughly equipped to give prompt and efficient service. We repair, sharpen or adjust any model power or hand mower. All work called for and delivered.

PENNSYLVANIA LAWN MOWERS



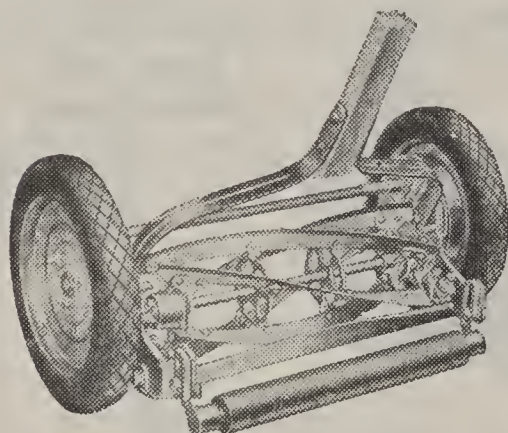
Pennsylvania Jr. High Wheel Mower. Five blades, crucible steel, oil hardened and tempered, extra wide. Raised edge bottom blade. Self-aligning ball bearings, hardened steel cup and cones, screw adjustment with positive lock. Three machine cut gears on both sides, in dirt-proof housings. Two steel pawls in each wheel. 10 inch wheel.

15 in. cut.....\$22.00
17 in. cut.....24.00
19 in. cut.....27.00
21 in. cut.....30.00

Pennlite Mower. Aluminum frame, equipped with rubber-tired wheels and rubber roller; a light, easy running machine. 17 in. cut \$19.00.

Tiny Tim Mower (Ball-bearing). 8-in. wheels, four blades automatic spring adjustment on cones. Spring steel lower blade.
12 in. cut.....\$7.00 14 in. cut.....\$7.25

Blue Diamond Mower. Ball-bearing, 10 in. wheel, 5 blades. Automatic spring adjustment on cones, spring steel lower blade.
14 in. cut...\$8.25 16 in. cut...\$8.50 18 in. cut...\$9.00



COLDWELL'S SUBURBAN)
(Rubber Tired)

A popular-priced, high-grade lawn mower of unusual quality with modern features. It is quiet and easy running. Especially suitable for use in cities and suburbs. This mower has pneumatic tires, rubber covered guard roller and ball bearings in the roller hanger. Lightest running, strongest built. Wheels, 10 in., five blades. Ball bearing. Material and finish, highest class. 16 in. \$16.00.

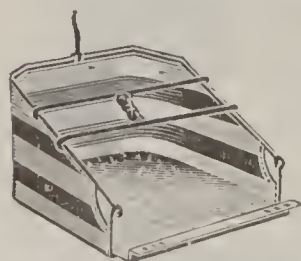
COLDWELL'S AMBASSADOR

Is a high grade ball bearing mower at a medium price. Light and easy to handle. Has large, revolving cutter and high frequency. 10 in. Drive Wheel. 5 blades; excellent finish.

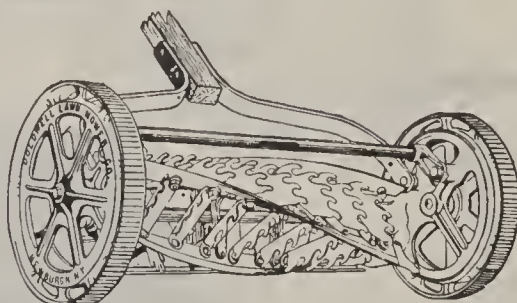
14 in. cut.....\$16.25
16 in. cut.....17.25
18 in. cut.....18.00

GRASS CATCHERS

Easy Emptying. Designed to fit any size or style of mower. Made of strong canvas and galvanized iron bottom. To fit any mower. No. 5G, 12 to 17 in., \$0.85, postpaid \$1.00; No. 6G, 16 to 20 in., \$1.00, postpaid \$1.15.



Economy. A good make, but lighter than the Easy. Construction similar. Fits any mower from 12 to 17 in. No. 16G, 75c., postpaid 85c.



MOKLEEN CHIEF

A first quality lawn mower with a simple device designed to draw weeds into a position to be cut by the revolving knives. This insures the cutting of weeds and other high grasses not readily cut with the average hand mower. A weed cutter and lawn mower in one machine at no higher price than a standard quality lawn mower. Equipped with 10 in. wheels, 4 blades, Ball-bearing. 16 in., \$18.25.

COLDWELL'S BALL BEARING TRIMMER

Is a very high class tool for finishing along walks, walls or flower beds, where the regular lawn mower cannot be used successfully. Especially desirable for cemetery trimming. 8 in. solid wheel on right side only.

Width of cut, 8 in. only.....\$8.00

COLDWELL'S IMPROVED HORSE LAWN MOWER

All steel, complete with shaft, seat and side draft.

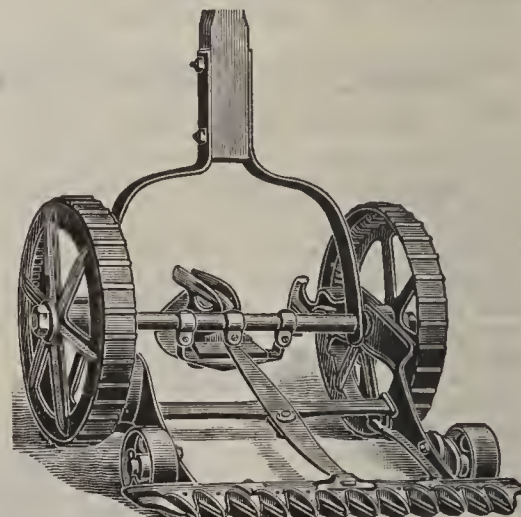
\$150.00 f.o.b. Baltimore, Md.

M.-S. LAWN MOWER SHARPENER

Will give a uniform bevel, the sharpener following the twist of the knife. Each 50c., postpaid.

HOUSEHOLD LUBRICANT

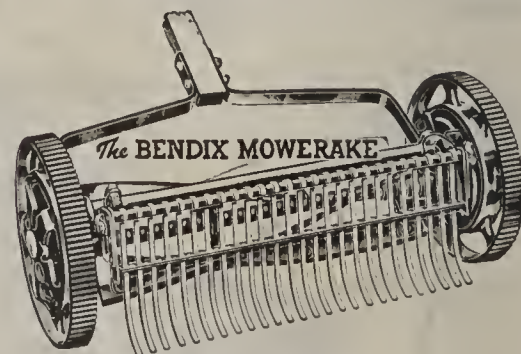
A splendid oil for lawn mowers.
Can.....25c., postpaid 30c.



THE CLIPPER MOWER

The mower that is worth its weight in gold to the one who has a lawn with Buck Plantain Summer Grass, Dandelions and Crab Grass in it. The "Clipper" is the only mower that will cut it.

No. 1—12 in..\$10.50 No. 3—18 in..\$13.00
No. 2—15 in.. 12.00 No. 4—21 in. 15.50



THE BENDIX MOWERAKE

Gently combs, disentangles and lifts up grass and weeds for smooth, even-cutting. Prevents re-seeding of low-growing, lawn-destroying grasses and other annual weeds. Mowerake is all steel. The tines are flexible, strong and protect mower blades from sticks, stones and bones. It permits mowing right up to the edge of border flowers and shrubs without damage to them. Flips back out of the way when not in use.

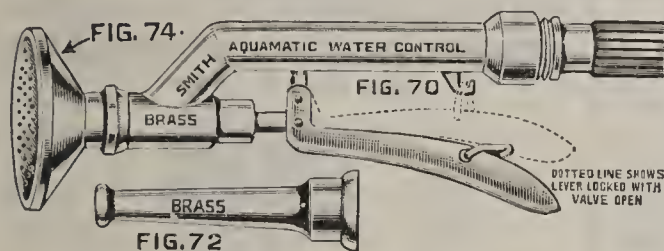
14 to 16 in.....\$1.85, postpaid \$1.95
18 to 20 in.....\$2.00, postpaid \$2.10

RUBBER GARDEN HOSE, REELS, MENDERS ETC.

MOLDED BRAIDED GARDEN HOSE—It is guaranteed not to break

Continuous length molded, braided $\frac{5}{8}$ in. garden hose. We can supply any lengths desired. We have found this hose to be very satisfactory and can highly recommend this brand. Special 12c. per ft. any length without couplings. $\frac{3}{4}$ in., 1 $\frac{1}{2}$ c. per ft. more. Couplings 35c. extra.
Meyer Special No-Kink— $\frac{5}{8}$ inch hose, 25 ft. lengths, complete with couplings.....\$3.50; 50 ft. lengths, \$6.50
Meyer Regular No-Kink Neptune Brand— $\frac{5}{8}$ inch hose, 25 ft. lengths, complete with couplings.....\$2.85; 50 ft. lengths, \$5.25
Super grade brand— $\frac{3}{4}$ in. hose; the very best hose obtainable.....18c. per ft., couplings extra

AQUAMATIC NOZZLE



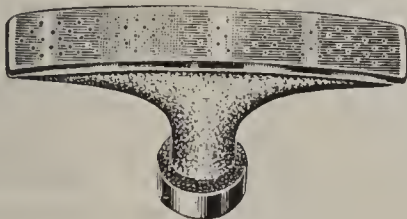
Cuts water bill in half. A high-grade water control, opening and closing automatically, by slightly pressing lever with the fingers. Wastes no water. A positive

quick shut-off with nothing to wear out and no leaks or drips. Made of heavy cast brass, carefully machined and will last for years. Fits all garden hose couplings. For washing automobiles; sprinkling lawns, hotbeds, flowers, shrubs, gardens; laying dust; washing windows, floors, walks, and for many other purposes. Fig. 72 made of cast brass 3 in. long, for solid stream. Fig. 74 as shown above for sprinkling can effect.

Fig. 70—Aquamatic Control, without nozzles, 6 $\frac{1}{2}$ in. long. \$1.75. postpaid \$1.85.

Aquamatic Nozzle—(Figs. 70, 72, 74 complete). \$2.45, postpaid \$2.60.

FAN SHOWER SPRINKLER



No. 82

Entirely of Brass

For hotbeds, greenhouses, gardens, flowers, and delicate foliage. Throws a large, softlike fan-shaped shower.

Heavy cast brass, polished and nicely finished. Sprinkler end 5 $\frac{1}{4}$ inches long by $\frac{7}{8}$ inch wide.

May be used with Fig. 70 Aquamatic Control shown above.

Price 60c., postpaid 70c.

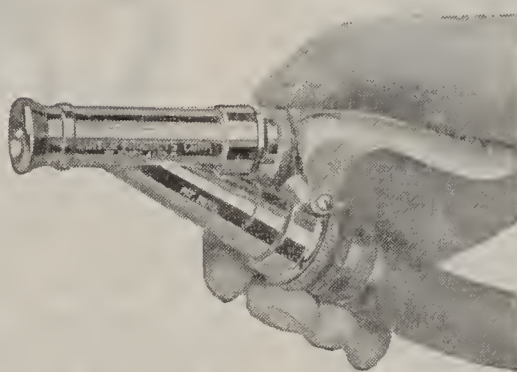
HANDY PORTABLE HOSE HOLDER

Transforms your regular hose nozzle into a perfect lawn sprinkler. Can be pulled about the lawn from one place to another and is adjustable to any angle by simply turning a wing nut. Adjust the spray on your hose nozzle as desired, slip nozzle into holder and turn on the water. There is no sprinkler like the regular hose nozzle when used in connection with the Handy Portable Hose Holder. Made of heavy gauge galvanized steel wire enameled green; strong and durable, will last a lifetime. 30c. each, postpaid 38c.

STATIONARY HOSE HOLDER

This holder is adjustable to any angle by pushing pointed end into ground at the desired angle. It makes a perfect sprinkler. Enameled green, strong and durable. Each 15c., postpaid 20c.

CARTER LEVER SPRAY NOZZLE



No changing of nozzle necessary, you can get any kind of spray or solid stream by merely turning the knurled nut with the thumb as shown in illustration above. Hand pressure on lever permits instant change of flow. An extremely handy attachment for the hose when washing automobiles.

Can be used on any standard size garden hose. Your sprinkling will be under absolute control at all times. No waste of water, shuts off automatically when you desire. \$1.00 each, postpaid \$1.15.

ACCESSORIES

Smith Brass Spray Nozzle. Sprinkles like a watering can. \$1.00 postpaid.

Smith Hose Nozzle. Adjustable from a mist to a solid stream. Complete shutoff. 45c., postpaid 55c.

Boston Nozzles. Combined solid stream and spray. Each 85c. postpaid.

Siamese Connections. Regular size. Each \$1.00 postpaid.

Rapid Hose Mender. Cadmium plated. Each 15c., doz. \$1.25, postpaid.

Rapid Hose Coupler. No bands required, cadmium plated. Pair 25c., postpaid.

Hose Couplings (Brass). Regular size. Pair 25c., postpaid.

Hose Bands. For $\frac{3}{4}$, $\frac{5}{8}$ and $\frac{1}{2}$ in. hose. Each 5c., doz. 50c., postpaid.

Hose Washers. Rubber. Regular size. Doz. 10c. postpaid.



This sprayer and cartridges were scientifically designed for use together and greatly simplify garden spraying problems.

Their use eliminates the constant measuring, mixing and filtering of large quantities of spray mixture, the carrying of a heavy, clumsy tank, the frequent cleaning of the nozzle, the arduous labor of hand pumping, and makes spraying a simple, more effective and more pleasureable part of garden work. Complete with 6 cartridges, \$5.00; Extra cartridges, Insecticides, 35c. each, 6 for \$2.00; Extra cartridges, Fertilizer, 25c. each, 10 for \$2.00, postpaid.

RUBBERIZED WORK GLOVES



No. 9012

No. 9012. Will keep your hands warm and dry. A glove that can be used in handling any kind of liquid, spray solutions, spraying, car washing, etc. Gives complete protection to the hands. Pair 40c.; postpaid 45c.; 2 pairs 75c., postpaid 85c.

No. 3002B. Ladies size. Pair 35c.; postpaid 40c.; 2 pairs 65c., postpaid.

HOSE REELS

Hose Reels. Victor all steel. Capacity 75 ft. \$1.00.

No. 10 Tubular Hose Reel. Capacity 100 ft. \$3.50.

No. 20 Tubular Hose Reel. Capacity 150 ft. \$4.50.

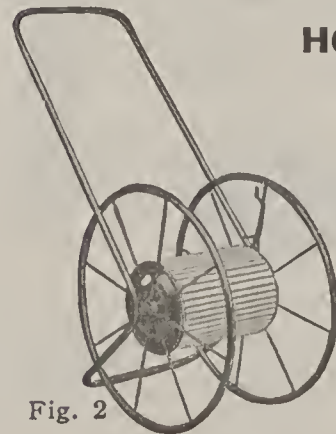
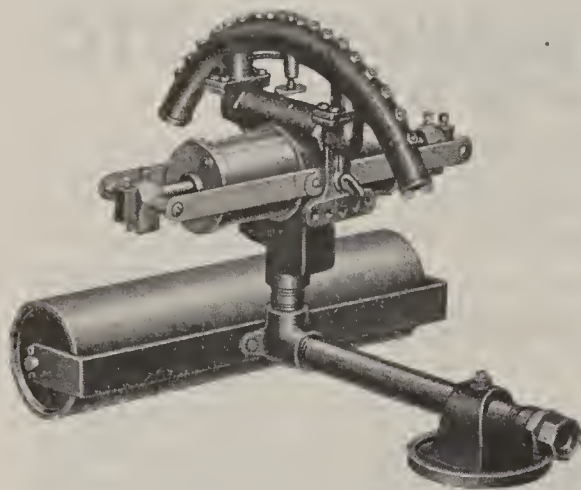


Fig. 2

THE NEW DOUBLE REAL REEL

New and different! The only portable reel that can be connected to the faucet . . . and as much or as little hose unreeled as needed . . . without first unreeing all of it. Overcomes every objection to ordinary hose reels. Capacity: 125 ft. of $\frac{5}{8}$ in. hose, 100 ft. of $\frac{3}{4}$ in. hose. Frame made of 1x $\frac{3}{16}$ steel. \$4.50.



SKINNER RAIN WAVE AUTOMATIC SPRINKLER

This miniature Skinner System weighs only 17 lbs., yet does the work of a 60-ft. line automatically. The 16 silver stream nozzles in the arch wave slowly back and forth distributing that fine, even spray which has made silver stream nozzles famous. With simple, easy made adjustments, you can water from 10x60 to 60x60 ft. or have a stationary sprinkler. **\$35.00, postpaid.**

Estimates furnished on Skinner
Irrigation System

BROADWAY SPRINKLER



The Broadway is designed to be the highest quality large area sprinkler that can be built. It provides long life, effective service, all wearing parts easily and cheaply renewable, positive performance, uniform coverage and a distribution of nozzle thrust between two balanced bearings.

An effective long throw stream is supplemented by a secondary spray watering the central area. The reaction of the water from the secondary arm furnishes the motive power for a slow rotation. It's speed is easily adjusted. A simple yet powerful vibrator permits slow operation without sticking or whipping.

The nozzles are scientifically designed to secure a maximum throw with an entire uniformity of coverage. The streams are broken into a fine, gentle spray which settles to the ground at the correct rate for maximum absorption.

Will sprinkle a circle 95 ft. on a pressure of 35 lbs. Adjustable for speed. Takes a standard $\frac{3}{4}$ in. hose connection. On skid base **\$15.25**, on roller base **\$16.50, postpaid.**

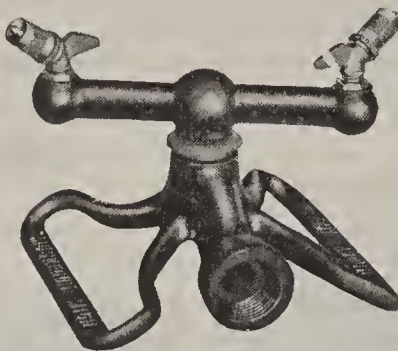
MIST-O-SPRAY

New lawn sprinkling method. This remarkable new system of sprinkling lawns, shrubs and flowers is simple, practical and inexpensive. For the 25 ft. garden hose, a set of 3 Mist-O-Spray units placed at intervals of 8 ft. For 50 ft. hose place 5 units at intervals of 10 ft. Set of 3 units, per set **\$2.00, postpaid.** Complete with 25 ft. of hose, ready for use, **\$4.50, postpaid.**

MARCH'S ACE SPRINKLER

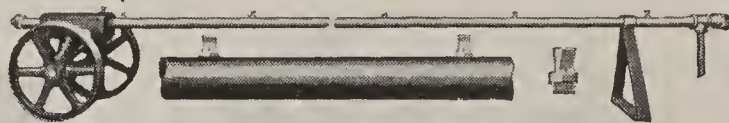
The Perfected Sprinkler

Will not stick—Never wears out—Will not break



The finest small lawn sprinkler on the market today. Reasonable in price, efficient in operation, sturdy in construction and neat in appearance, it answers every possible question that the user can ask.

Has brass nozzles which are completely adjustable. From the finest cone spray to a long distance stream reaching 40 ft. and watering a 75-ft. circle. Simply twist the nozzle body and set with the locking ring for the desired performance. Complete shut-off is accomplished in the same manner. **\$1.25, postpaid \$1.37.**



BORDER MIST SPRINKLERS

These fine 1-way sprinklers last a lifetime and will spread their mistlike spray over a space 16 ft. wide by 16 ft. long, or can be narrowed down to even 30 in. in width. The ideal sprinkler along walks or shrubbery where 1-way watering is desired. The handle on the end permits directing the spray to any angle or completely reversing it. Total length 15 ft. Weight 20 lbs. Express shipments recommended. **\$12.50, f.o.b. Baltimore.**

Lawn Mist. Made in senior or junior sizes, covers a width 16 ft. constructed like Border Mist, except nozzles, which spray both ways. **\$12.50 and \$8.00, f.o.b. Baltimore.**

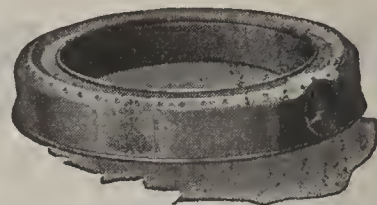
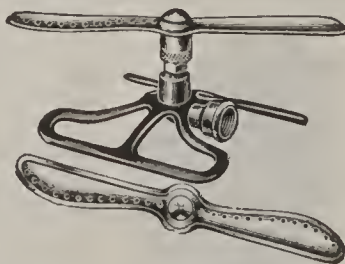
THE PEACOCK LAWN SPRINKLERS

The Peacock Sprinkler is 12½ ft. long and can be used singly or in tandem. Each sprinkler covers a space 15x50 ft. **\$15.00, f.o.b. Baltimore.**

The Peacock Jr. is 7 ft. long, doing the same work as the larger one on a smaller scale. **\$8.50, f.o.b. Baltimore.**

AERO MIST SPRINKLER

The Aero Mist has a brass top and cast iron base, and is of modern and artistic design. It will not tip when moved about by the hose when the sprinkler is in operation. The spray is mistlike in texture and covers a large area. Can be operated on any kind of pressure without adjustment. **\$1.10, postpaid \$1.25.**



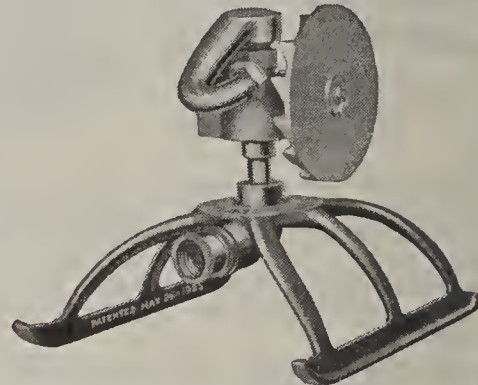
FOUNTAIN SPRINKLER

Made of heavy brass. Easily moved over the lawn without turning off the water. The mistlike spray is a veritable "thing of beauty." **85c., postpaid 95c.**

Half Circle Sprinkler. **65c., postpaid 75c.**

DOUBLE ROTARY SPRINKLER

Next Best to Rain

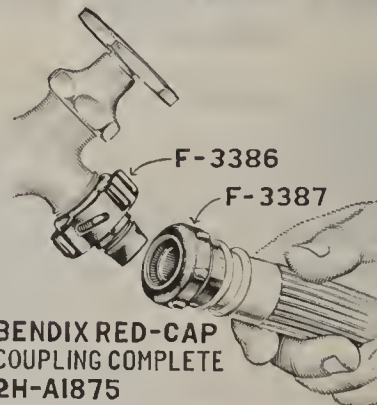


This is the original Double Rotary Sprinkler which has for 16 years been the outstanding leader and which is used by the finest golf courses, parks, cemeteries, institutions, and on large estates. Home owners who take special pride in their lawns and flowers are using them in increasing numbers every year. It is strictly a scientific sprinkler for those who appreciate and demand the best sprinkler money can buy.

The *Double Rotary Sprinkler* distributes water more nearly like gentle rainfall than any other mechanical means yet devised. The thoroughness of coverage is sufficient to allow the water to absorb instead of forming a mist that merely evaporates. It sprinkles uniformly—any one point in its regulated sprinkled area gets its water at intervals of 7 to 10 seconds, the intervening time allowing absorption without soil washing.

Has a ball-and-socket connection on the adjustable nozzle which makes it easy to move nozzle with thumb and forefinger so as to *sprinkle any circular area up to 80 feet in diameter—more than 5000 square feet—depending on city water pressure.* Easily adjusted to cover areas down to 15 feet in diameter. A big water-saver. **\$12.50 postpaid.** **Junior Model** with adjustable nozzle, **\$7.50 postpaid.**

RED CAP HOSE COUPLING



**BENDIX RED-CAP
COUPLING COMPLETE
2H-A1875**

No twisting. No bruising of knuckles. No lost washers. No jammed threads. Just push it on. Red-Cap coupling can't pull apart—stands as much pressure as the hose itself! You can twist it freely 'round and 'round, with never a leak because of its unique *swivel* action! Think of the bother it saves you! Use in the garden, the laundry, on sprinklers, or to connect several lengths of hose. Price complete, **60c., postpaid 65c.** Extra faucet end, **25c., postpaid 30c.**



RUSTIC BIRD HOUSES AND FEEDERS

These bird houses are very artistic in design and unique in rustic construction. They are the kind birds will use and will enhance the surroundings of any home. When ordering, specify the kind of birds the houses are intended for.

Wren Houses, No. 35, 50c.; **No. 30,** \$1.00; **No. 6,** \$1.50; **No. 1,** \$1.85; **No. 2,** \$2.00;

Blue Bird Houses, No. 36, 75c.; **No. 181,** \$1.00; **No. 7,** \$2.00; **No. 4,** \$2.50; **No. 24,** \$6.00.

Robin Shelter, \$1.85.

Chicadee House, \$2.50.

Martin House, 4 rooms, \$12.00; 8 room, \$18.00.

Suet Feeder, \$1.50.

Seed Feeder, \$2.50.

Weather vane Feeder, No. 106, \$3.85, **No. 107,** \$5.00; with glass sides, \$5.50.

Combination Shelter, \$2.25.

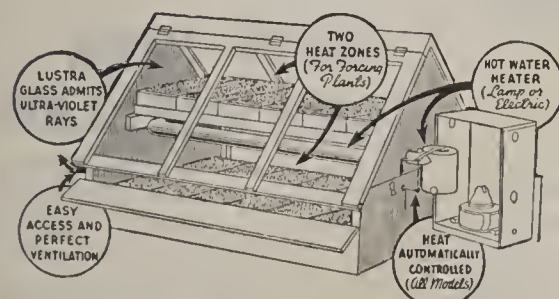
All postpaid, except Martin Houses

Send for circular for complete line

LITTLE GIANT MOLE TRAP

The simplest, safest and surest mole trap ever invented. Self-setting. \$1.00, postpaid \$1.10.

PORTABLE HOME GREENHOUSE



Thousands of home gardeners, nurserymen, florists and truckers are replacing their hotbeds or coldframes with this portable greenhouse. No longer will they depend upon the uncontrolled heat of hotbeds or the lack of heat of coldframes.

These plant starters have controlled hot water heat, thermostatically controlled.

Model No. 1—18 flat size is 31 in. x 41 in. and 26 in. high. Oil type, \$26.00; Electric type, \$28.00 complete. Weight 85 lbs.

Model No. 2—30 flat size is 31 in. x 67 in. and 26 in. high. Oil type, \$33.50; Electric type, \$35.50 complete. Weight 125 lbs.

Redwood flats, size 13 in. x 5½ in. x 2¼ in. deep, each 15c.

ASBESTOS TORCH

This is the most practical satisfactory device yet found for burning caterpillars, worms and other tree pests. 50c., postpaid 60c.

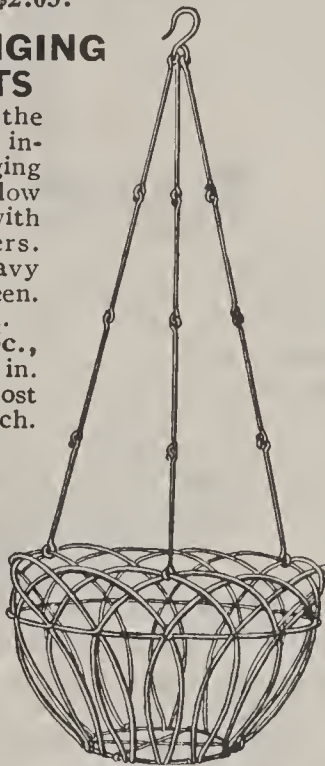
SHRUBBERY PROTECTOR

Each protector has 3 prongs spread out to protect 2½ lineal feet of shrubbery; inconspicuous and inexpensive. Each 20c., doz. \$1.95, postpaid \$2.05.

WIRE HANGING BASKETS

Help make the city beautiful by installing wire hanging baskets and window boxes filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets. 8 in. 25c., 10 in. 35c., 12 in. 45c. Parcel post weight, 2 lbs. each.



WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

1 in., doz. 45c., postpaid 50c.; Wire Hanging Basket 100 \$2.75, postpaid \$2.85; 1½ in., doz. 60c., postpaid 65c.; 100 \$3.75, postpaid \$3.95; 2 in., doz. 75c., postpaid 85c.; 100 \$4.50, postpaid \$4.75.



ELECTRIC WELDED FLOWER BED GUARD

Fits any shape or size of flower bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in 2 heights. Per lineal foot: 16 in. 7c., 22 in. 8c. Not welded, 28 in. 9c.

RUBBISH CONSUMERS

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

Extra heavy material, drop handles, close fitting cover attached with chain.

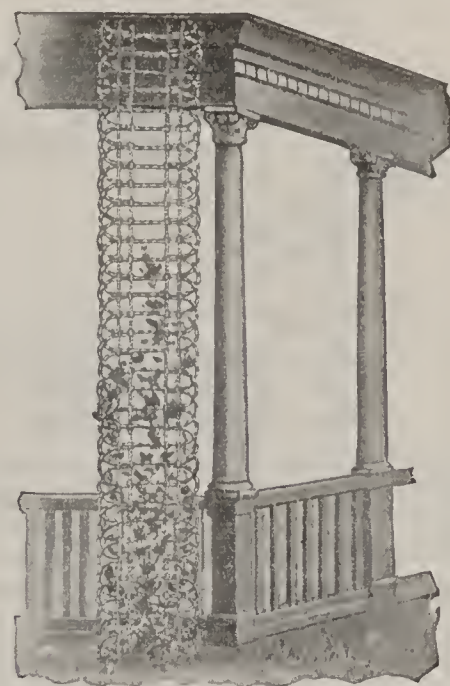
No. 3—Height 28 in., diam. 16½ in., weight 9 lbs. \$2.25.

No. 4—Height 33¼ in., diam. 20 in., weight 12 lbs. \$3.50.

ELECTRIC HOTBED

The electric hotbed does away with the expense of a soil heating electric cable. Its four 110 volt, 100 watt moisture-proof elements plus a specially designed baffle plate distribute heat to the soil uniformly. In addition, they warm and circulate the air within the bed. An easily adjusted thermostatic control maintains an even temperature . . . permits forcing plants. Price \$44.50.

WIRE TRELLIS



Cut to any length, fits any porch. The most inexpensive practical trellis made. Furnished in 3 widths. Per lineal foot: 18 in. 9c., 24 in. 10c., 30 in. 11c.

THERMOMETERS

Daisy Thermometer. Floating. 30c., postpaid 35c.

Household Thermometer. 60c., postpaid 60c.

Hotbed Thermometer. Brass point. \$3.00, postpaid \$3.10.

Self-regulating Hothouse Thermometer.

No. 5452—Best grade \$7.00, postpaid \$7.10.

No. 5454—Economical. \$4.50, postpaid \$4.60.

HOTBED MATS, SASH AND GLASS

Hotbed Mats. Burlap covered. 40x76 size, covers 1 sash. Each \$1.75; 76x76, covers 2, each \$2.75. Special prices in quantity. Express or freight.

Hotbed Glass. Box of 90 panes, 8x10, \$2.75; less than box lots, 5c. per pane. Price subject to change. Express or freight.

Hotbed Sash. Made to hold either 24 or 28 8x10 panes. These sashes are grooved so that the panes slide in and butt one against the other. Each \$1.75. Price subject to change. Express or freight.



Fig. 22

Putty Bulbs. For applying liquid putty. \$1.50. Parcel post weight, 1 lb. Fig. 22.

Peerless Glazing Points. The finest glazing points on the market. Box of 1000 75c. Parcel post weight, 1 lb.

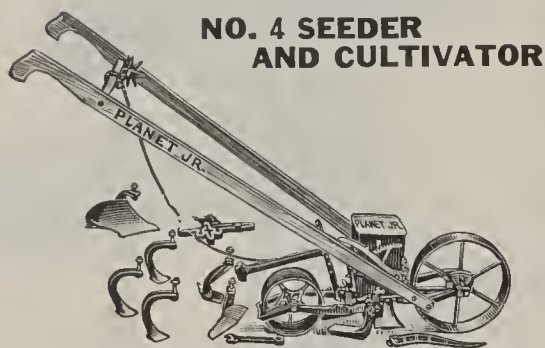
Mastica Machine. For distributing Mastica, etc. Made of heavy zinc. \$2.75 (by mail, 10c. extra).

Mastica. For glazing greenhouses. 1 gal. will cover about 300 running feet. 1 gal. \$2.25. Weight 18 lbs.

Twemlow's Old English Glazing Putty. 1 gal. \$2.35. Weight 18 lbs.

PLANET, JR. TOOLS

Planet, Jr., Catalogue describing all tools, on request. Write for it.



NO. 4 SEEDER AND CULTIVATOR

This tool combines a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts and sows in continuous rows, or drops in hills. **\$19.50.** 50 lbs.
No. 4-D (As a seeder only). **\$15.50.** 40 lbs.

NO. 25 SEEDER, DOUBLE AND SINGLE WHEEL HOE

As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. **\$23.50.** Weight 16 lbs.

NO. 300-A DRILL SEEDER

Adapted for Beans, Corns and Peas. **\$21.00.** Cap. 4 qts.

SEEDER ATTACHMENT NO. 35

Drills almost any kind of garden seed from the smallest up to Peas and Beans. Sent postpaid. **\$6.00.**

No. 22 Jiffy Seeder—An accurate seeder for the small garden. No wasting of seed. Each **\$9.00,** postpaid **\$9.50.**

"FIREFLY" GARDEN PLOW

Very useful for small gardens. Will throw a furrow 4 to 6 in. wide. Weight 14 lbs. **\$4.50**

DOUBLE AND SINGLE WHEEL HOE

No. 12. Straddles crops 20 in. high. Can be worked between rows with one or two wheels. **\$11.50** 33 lbs.

No. 11—Like the above, but in addition has one pair 4½ in. hoes, two 3-tooth rakes and two 5-tooth rakes. **\$14.50.** 39 lbs.

No. 13—Only equipped with one pair of 6 in. hoes. **\$8.75.** 28 lbs.

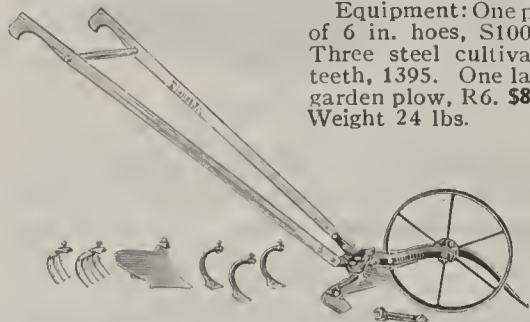
JIFFY HOE

As illustrated **\$1.60,** postpaid **\$1.76.** Extra plow attachment **60c.,** postpaid **75c.** Scuffle blade same price as plow.



NO. 17 SINGLE WHEEL HOE

Equipment: One pair of 6 in. hoes, \$100/1. Three steel cultivator teeth, 1395. One large garden plow, R6. **\$8.00** Weight 24 lbs.



Planet Jr. No. 16 Single Wheel Hoe. **\$9.00.**

No. 17½. Equipped with hoes and leaf lifter. **\$7.00.** Weight 21 lbs.

No. 18. Only equipped with one pair 6 in. hoes. **\$6.00.** Weight 19 lbs.

No. 19. Similar to above, but has higher wheel (15 in.) equipped with cultivator tooth, sweep, plow and 5-pronged, cultivating attachment. **\$5.00.** Weight 21 lbs.



NO. 119-W GARDEN PLOW AND CULTIVATOR

This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. Complete **\$4.50.** Weight, 17 lbs.

No. 119—Same as above, but instead of five-pronged attachment equipped with three-pronged cultivator and hoe. **\$4.00.**

Five-pronged attachment **85c.,** postpaid **95c.**

STAR PULVERIZER AND CULTIVATOR

The star discs break up the soil and the oscillating blade which works forward and backward—pulverizes and levels the soil. 6 lbs. **\$3.25.**

NO. 220 FERTILIZER DISTRIBUTOR

One bushel capacity, will distribute from 200 to 2000 lbs. of fertilizer to the acre. **\$29.50.** Send for special circular.

NO. 100-D PLAIN CULTIVATOR

It will stand hard usage and do excellent work. Easy to handle and adjust. **\$8.00.**



No. 100-D Cultivator with Cast Wheel, **\$9.25**

No. 107-D. Similar to the No. 100-D, but has 7 teeth and lever expander. **\$11.25;** with wheel, **No. 107, \$12.50.**

No. 4-D PLAIN CULTIVATOR. Like No. 100-D, but heavier. Less wheel. Weight 49 lbs. **\$8.75.**

NO. 9 PLAIN CULTIVATOR

With Lever Expander

Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel. Tool is adjustable to width.

No. 9—With steel wheel, **\$12.50;** same tool without wheel, **\$11.00.**

NO. 4 HORSE HOE and CULTIVATOR

With steel wheel, **\$10.25;** without wheel, **\$8.75.**

NO. 9 HORSE HOE and CULTIVATOR

Identical with the above, but has lever expander. With steel wheel **\$12.50;** without wheel, **\$11.00.**

NO. 7 HORSE HOE and CULTIVATOR

Same tool as No. 4 and No. 9 but is also equipped with depth regulating lever wheel. **\$15.75.**

12-TOOTH HARROW CULTIVATOR AND PULVERIZER

No. 90—Complete.....**\$17.00**

No. 90-B—Without pulverizer.....**14.00**

No. 90-D—Without pulverizer or wheel.....**11.50**

Cultivator Teeth. 1¼x8 in. Steels.....**\$0.19**

1¾x8 in. Steels.. **\$0.20** 3x8 in. Steels... **\$0.23**

2¼x8 in. Steels.. **.21** 4x8 in. Steels... **.30**

7-in. Hind Shovel No. 2539.....**.45**

8-in. Hind Shovel No. 2540.....**.50**

6-in. Turning Shovels No. 3580/1. Pair... **.90**

Bolts for All Cultivator Teeth.....**.5c. each**

SPIKE TOOTH HARROW (All Steel)

The original All Steel Spike Tooth Harrow. This harrow has never been equaled for genuine satisfaction.

No. 14-A—50 teeth, 2 sections, cuts 7½ ft. **\$19.40**

SPRING TOOTH HARROW (All Steel)

For destroying weeds this harrow stands supreme. A heavy duty harrow, especially designed for conditions that require exceptional strength.

No. 5-SPB—15 teeth, 2 sections.....**\$23.75**

No. 7-SPB—17 teeth, 2 sections.....**25.45**

THE PLANET JR. SPREADER

In addition to spreading fertilizer, the Planet Jr. Spreader is fine for sowing grass seed and it keeps it so close to the ground that wind does not interfere with it. Holds from 25 to 30 lbs. of fertilizer. **\$6.75.**

NEW IDEA CORN SHELLER

Every farm needs a New Idea Hand Corn Sheller. Shelled Corn for the chickens, pigs and other farm stock is to be had easily and quickly with this machine on the place. No more tedious and laborious work of shelling by hand—no more waste of time and expense of trips to town for custom shelling when you have a New Idea Hand Corn Sheller. Ideal for shelling seed Corn. Operated by hand or can be operated by engine or motor power. Capacity up to 20 bushels per hour. Embodies the shelling principles of the efficient, large power spring type shellers. The New Idea Hand Corn Sheller is the last word in hand sheller design.

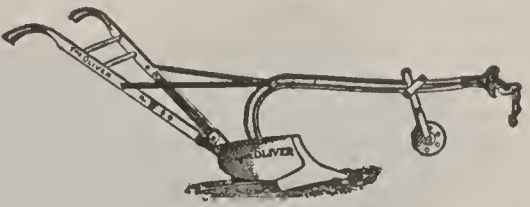
Specifications of Assembled New Idea No. 1 Hand Corn Sheller—Overall width, 21½ in.; overall height, 44 in.; overall length with feed table in place, 46 in.; basket space underneath sheller, 14½ in. x 20½ in.; shipping weight, 130 lbs. Seed Corn Tipper is regular equipment with the New Idea No. 1 Hand Sheller.

Price, \$19.00



OLIVER PLOWS AND REPAIRS

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould- boards	Wood Beams
No. A.....	\$11.25	\$11.25	\$0.28	....	\$0.55	\$1.60	\$3.85
No. B.....	13.50	14.00	.37	....	.75	2.05	3.85
No. 10.....	16.00	16.00	.50	\$0.67	.90	2.50	3.85
No. 13.....	18.00	18.00	.60	.77	1.10	3.30	3.85
No. 19.....	19.00	19.00	.65	.80	1.15	3.65	4.15
No. 20.....	21.00	21.00	.70	.85	1.20	3.80	4.15
No. E.....	24.00	.....	.80	.95	1.30	4.25	4.15
No. 40.....	23.50	23.50	.80	.95	1.30	4.25	4.15



Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, \$2.00; Jointer, complete, \$4.50; Steel Beam Jointer, \$4.50. State if Wood or Steel Beam. Single Handles, \$1.00 each. Rounds, 25 cents a pair. Bolts for Mouldboard, Landside, Shares and Jointers, 5 cents each.

BOSS PLOWS AND REPAIRS PLOWS

1 Rig....Comp.....	\$7.50
2 Rig....Comp.....	8.50
3 Rig....Comp.....	9.50
4 Rig....Comp.....	10.50

MOULD BOARDS	
Cabbage.....	\$0.35
1½ and 2.....	.70
2½ and 3.....	.85
No. 20.....	1.35
Board and Share.....	3.00
Double Shares.....	1.00

SHARES	
Cabbage.....	\$0.35
1½ and 2.....	.40
2½ and 3.....	.45
No. 20.....	.55

MISCELLANEOUS	
Land Sides.....	\$0.60
Cleverages.....	.40
Bolts (All).....	.05
Standards.....	2.75
Handles (C).....	1.50
Handles (L).....	.65
Beams.....	1.00

CHATTANOOGA PLOW AND REPAIRS No. 65

2-Horse R. H. S. Beam Plow.....	\$20.00
Gauge Wheel.....	2.00
Jointer.....	4.50

SHARES	
No. 65 Solid.....	\$0.70
No. 65 Slip.....	.90
Extra Slips.....	.15

MISCELLANEOUS	
Land Sides.....	\$1.15
Jointer Pt.....	.35
Mould Board.....	3.50

SINGLE AND DOUBLE TREES

Single, 2 hooks, 26 in.....	\$0.55
Single, 2 hooks, 28 in.....	.60
Single, 3 hooks, 26 in.....	.60
Single, 3 hooks, 28 in.....	.65
Double, 36 in., \$1.00; 40 in.....	1.25

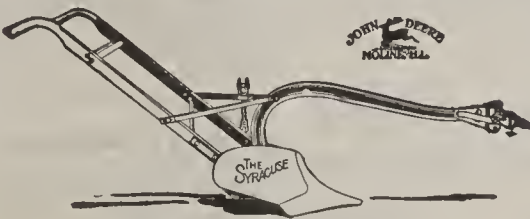
BARKER, Jr.
Baby No. 6 is the best small garden weeder and mulcher on the market. The very low price makes it attractive. Weeds and mulches a strip 6 inches wide. Retail, \$7.25.
No. 8½ Barker Jr. weeds and mulches a strip 8½ inches wide. Has three shovels, and leafguards. \$7.95.

THE BARKER

No. 10-D. Strong and most useful size. lower knife cuts 10-in. strip. Favorite for large gardens and with truck growers. Equipped with three shovels, and leafguards. \$10.60.
No. 11-D. Especially adapted for use where rows are 15 inches or more apart. Weeds and mulches 11-in. strip. Has three shovels, and leafguards. \$11.75.
No. 12-D. Best size where rows are two or three ft. apart. Weeds and mulches a strip one foot in width. Has three shovels, and leafguards. \$12.60.

RUBBERIZED WORK GLOVES. For all kinds of farm work, particularly in wet weather. 40c. pair. See page 55.

SYRACUSE PLOWS AND REPAIRS



ONE-HORSE PLOWS

No. 50. Right, wood beam, light, one horse, making furrow 2 to 5 in. deep and 8 to 10 in. wide. \$11.00.
No. 52. Right, wood beam, medium, one horse, making furrow 3 to 5½ in. deep and 9 to 11 in. wide. \$15.50.
No. 53. Right, wood beam, heavy, one horse or light two horse, making furrow 3 to 6 in. deep and 9 to 12 in. wide. \$18.25.
No. 1464. Right, steel beam. \$17.75.
No. 1465. Right, steel beam. \$15.75.

TWO-HORSE PLOWS—WOOD BEAM

No. 603. Right, wood beam, light two horse, making furrow 4½ to 6½ in. deep and 10 to 12 in. wide. Plain, \$19.00; with wheel and jointer, \$24.40.
No. 602. Right, wood beam, medium, two horse, making furrow 5 to 7 in. deep and 11 to 14 in. wide. Plain, \$20.50; with wheel and jointer, \$25.90.
No. 601. Right, wood beam, heavy, two horse or light three horse, making furrow 5½ to 8 in. deep and 12 to 16 in. wide. Plain, \$23.50; with wheel and jointer, \$28.90.

TWO-HORSE PLOWS—STEEL BEAM

No. 1462. Right, steel beam, similar to No. 602 wood beam plow. \$20.50; with wheel and jointer, \$25.80.
No. 1461. Right, steel beam, making furrow 5 to 8 in. deep and 12 to 16 in. wide. \$23.50; with wheel and jointer, \$28.80.

SYRACUSE REPAIRS

	Mould boards	Land- sides	Solid Shares
No. 50.....	\$2.25	\$0.70	\$0.45
No. 53.....	3.30	.95	.60
No. 603.....	3.80	1.15	.65
No. 602.....	4.35	1.25	.70
No. 601.....	4.35	1.35	.80
No. 1462.....	4.35	1.25	.70
No. 1461.....	4.35	1.35	.80
Slipshares 15c .higher.			

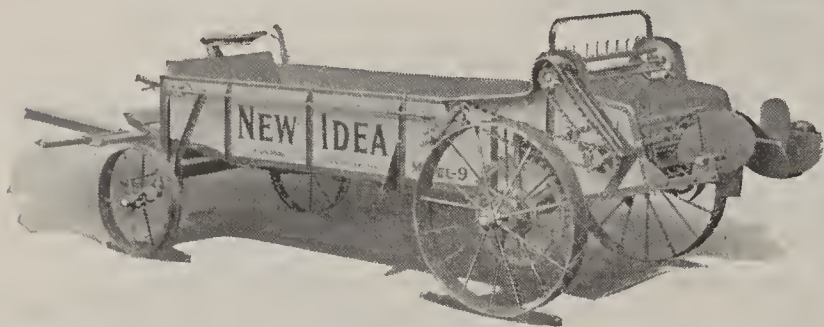
CHAINS, BACK BANDS, ETC.

Baskets. Galvanized steel. Bus. size, with drop handles, 90c.
Berry Boxes. 1 qt. size, 80c. per 100; postpaid 90c. Prices per 1000 furnished on application.
Trace Chains. 7 ft. straight link, hook, \$1.05, ring. 95c. per pair; postage, 25c. extra.
Cow Chains. Tying out, No. 1, 20 ft., 75c.; No. 00, 30 ft., 90c.; postpaid, 10c. extra.
Back Bands. Cotton duck with snaps, 42 in., 50c. each; 48 in. 75c.; postpaid, 10c. extra.
Plow Lines. Sisal, 14 yds., 50c.; postpaid, 58c.
Plow Lines. Cotton, 14 yds., 75c.; postpaid, 83c.

FERTILIZER DISTRIBUTORS



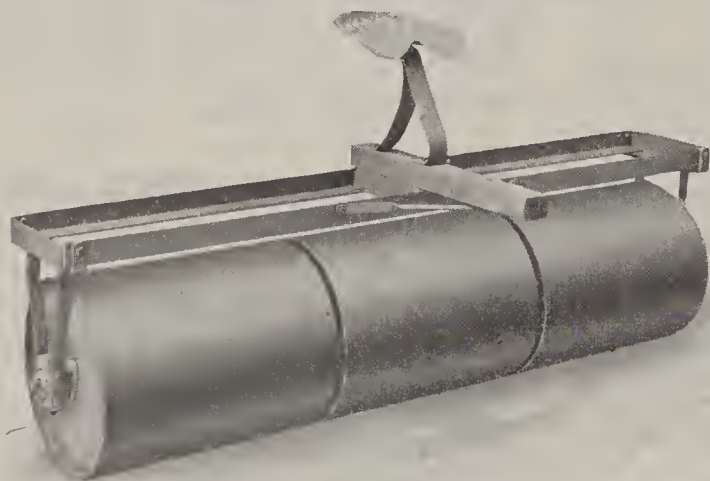
Master's Perfect. A simple and efficient machine that solves the problem of even distribution of fertilizers, grass, seed, etc. Shut-off control and adjusting device right on handle.
M-180—18 in. width.....\$11.00
M-241—24 in. width with Double Disc Wheels..... 16.00
M-361—36 in. width with Double Disc Wheels..... 22.75
Home Lawn-Distributor. Capacity, 25 lbs. \$6.00.
Vigoro Spreaders, Model B. Width 14 in., \$3.00, postpaid \$3.18.
Junior. Width 16 in., \$6.60, postpaid \$6.84. Standard, width 24 in., \$11.95, postpaid \$12.42. Special, width 36 in., \$20.00, postpaid \$20.59.

NEW IDEA MANURE SPREADER

Model No. 9—New Idea Spreaders are light in draft, perfect in field performance, built to last for years; capacity 60 to 65 bushels. It will shred and pulverize the toughest manure and spread it in an even blanket of controlled fertility with less strain on the team than you ever thought possible. Four changes of feed rate. Auto-steer front axle. Price, \$171.25.

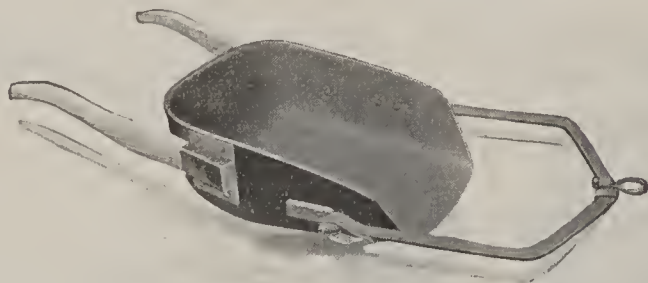
FLAT TOOTH WEEDERS

7½-foot Flat-tooth Weeder.....\$14.50

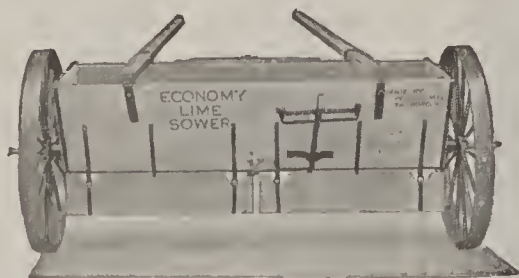
STEEL LAND ROLLERS

Drums of heavy tank steel. Angle steel tops. Axles, 1½ inch round steel. Tractor or horse hitch.

No. 102½—8 ft., 2 sec., 26 in. diameter; 550 lbs.....\$55.50
No. 103½—8 ft., 3 sec., 26 in. diameter; 600 lbs..... 58.50
No. 105½—8 ft., 2 sec., 24 in. diameter; 510 lbs..... 52.00
No. 106½—8 ft., 3 sec., 24 in. diameter; 535 lbs..... 55.50
No. 120½—9 ft., 3 sec., 24 in. diameter; 585 lbs..... 59.25
No. 118½—4½ ft., 2 sec., 24 in. diameter; 370 lbs..... 49.00
 Extra for **Eveners**, \$2.85

DRAG SCOOPS (Round Back)

No. 1—With runners.....\$9.50
No. 2—With runners..... 7.50
No. 3—With runners..... 6.75

"SO-RITE" ECONOMY LIME SOWERS

Very strongly made. Very accurate feed, even flow, positively controlled and gauged by adjustment of lever on back of machine.

No. 5 ELW-1—5 ft., 1-horse, weight 300 lbs.....\$41.00
No. 6 ELW-1—6 ft., 1-horse, weight 325 lbs..... 45.00

THE GRAVELY GARDEN TRACTOR

Model "D"—Complete with depth wheels carrier frames and all standards for attaching all cultivating tools. Weight 290 lbs.....\$250.00

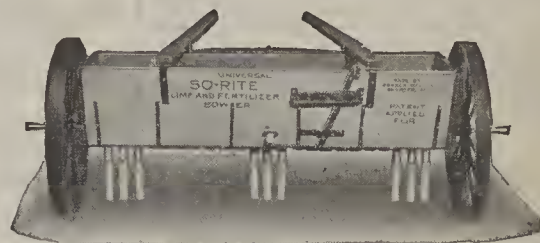
Model "L". Complete with differential, pair of 16x4 tires, depth wheels, carrier frames and standards for attaching all cultivating tools. Weight 400 lbs.....\$297.00

Sickle Mower. SM type; 42 inch. Complete, ready to attach to "D" or "L" Model tractor. Weight, 145 lbs..... 75.00

Snow Plow. Complete with hitch for "D" or "L" model tractor. Weight 180 lbs.....\$40.00

All prices F.O.B. factory

GRAVELY TRACTOR
WITH SICKLE ATTACHMENT

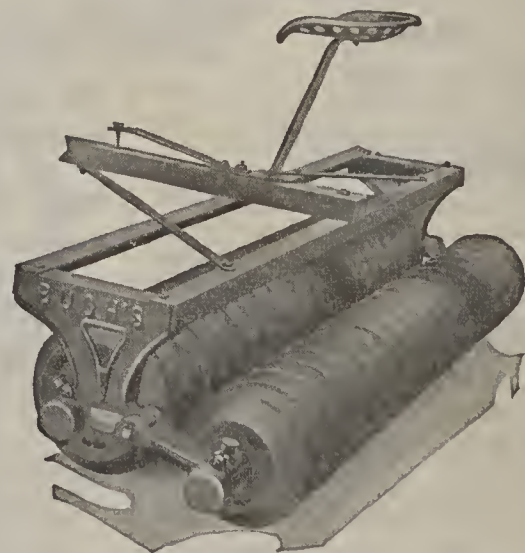
**"SO-RITE" UNIVERSAL FERTILIZER AND LIME SOWERS****No Belts to Replace**

As a Fertilizer Drill—Rubber spouts are attachable to any desired points 3 inches apart under the entire machine; adjustable to any width rows. Used as a 2-row, 3-row, or 4-row machine; remove by hand—no tools necessary. The quantity to be sown is obtained by adjustment of lever on back of machine.

As a broadcaster—this So-Rite machine is perfect. Feed is regular and positive. Wheels are adjustable. *Specifications:* Wheels, 36 inches high. Tires, 3 inches wide. Capacity Hopper, 400 to 700 lbs. Capacity Acre, 300 to 5,000 lbs.

No. 3 U-6-1 Width, 3 ft., 1 horse 6 spouts 225 lbs.....\$38.00
No. 4 U-6-1 Width, 4 ft., 1 horse 6 spouts 250 lbs..... 42.00
No. 5 UW-6-1 Width, 5 ft., 1 horse 6 spouts 300 lbs..... 46.00
No. 6 UW-6-1 Width, 6 ft., 1 horse 6 spouts 325 lbs..... 50.00

Extra spouts complete 75c.

SOIL PULVERIZER

Simple in construction, strong, rigid frame with heavy cast hangers, solid, one-piece discs, no trouble to set up. Tractor hitch extra, \$2.75. Tongue truck extra, \$8.50.

No. 626— 7 ft. No. Sec. 37, weight, 900 lbs.....\$60.00
No. 627— 8 ft., No. Sec. 43, weight, 1000 lbs..... 65.00
No. 628— 9 ft., No. Sec. 49, weight, 1100 lbs..... 73.00
No. 630—11 ft., No. Sec. 61, weight, 1350 lbs..... 94.00

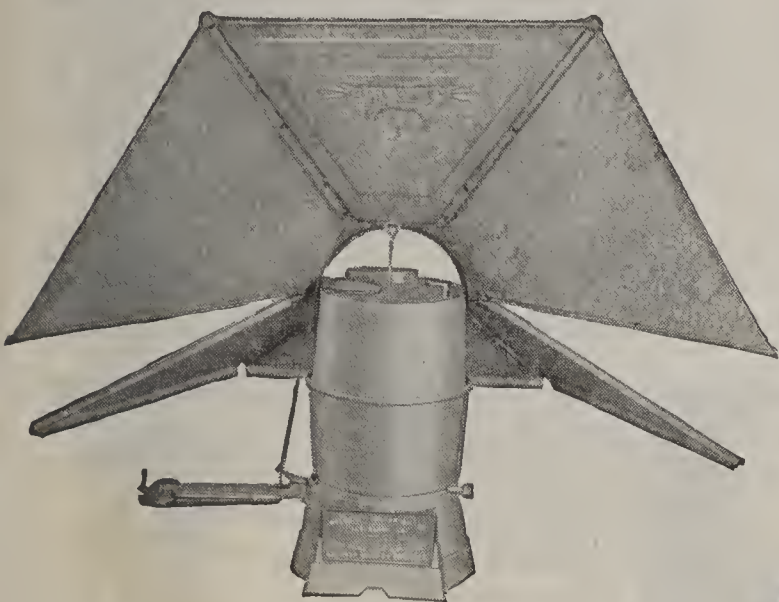
All front discs 15 inches, rear 12 inches

BUCKEYE BROODERS AND INCUBATORS

THE WORLD'S BEST

WE CARRY A FULL LINE OF INCUBATOR AND BROODER REPAIR PARTS

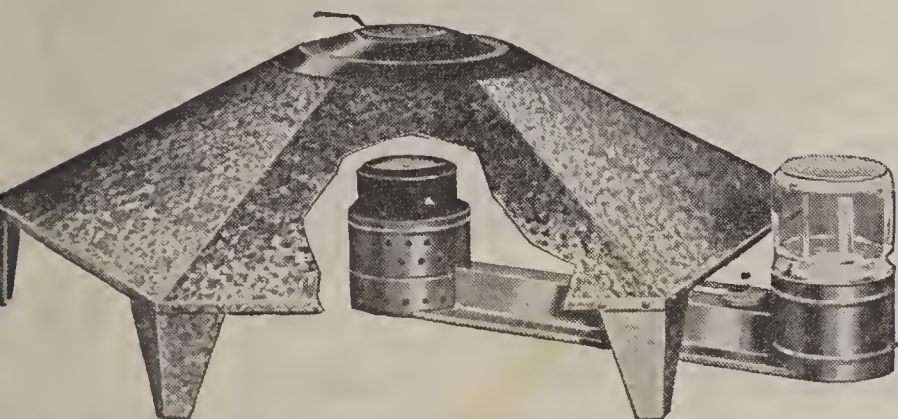
COAL-BURNING BROODERS



Over two decades ago the Buckeye Coal Brooder came into existence and from that day on it has been the standard of comparison in brooder stoves everywhere. It was scientifically designed and especially built to raise more baby chicks with less work and less fuel—and it did its job well.

The Buckeye Coal Brooder has been constantly improved and today it still holds its place as the leader. This Buckeye Coal Brooder saves time and work, is easy and economical to use, saves more chicks, increases poultry profits.

No.	Dia. Canopy	Coal Capacity	Height	Ship. Wt.	Price.
118-A	54 in.	40 lbs.	22 in.	98 lbs.	\$19.50
119-A	62 in.	60 lbs.	25 1/4 in.	126 lbs.	23.00
120-A	62 in.	75 lbs.	29 in.	145 lbs.	26.50



DRAFT EQUALIZER

The adjustable Draft Equalizer solves a problem for the user of coal-burning brooders as it helps to maintain a steadier fire on windy days. This prevents the coal burning too fast or wind blowing smoke back down the chimney, causing fire to smother. The added protection given by this simple device can hardly be estimated. The Draft Equalizer is made with either 4 inch or 5 inch galvanized pipe. 60c., postpaid 70c.

In ordering repair parts, always give number of Brooder Stove and name of part wanted

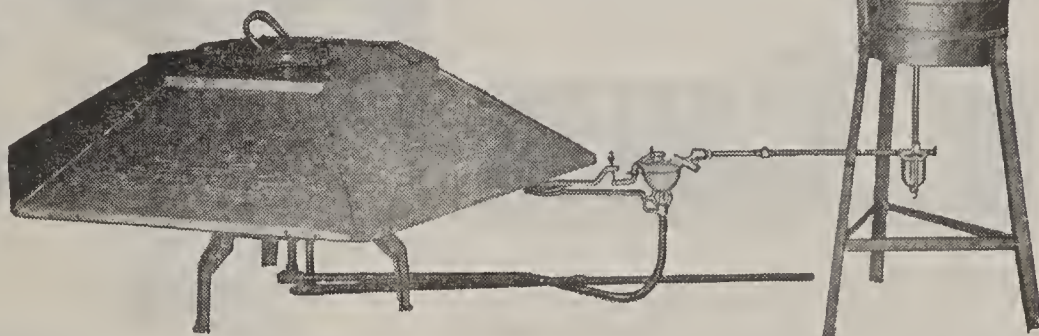
NEW COMBUSTION OIL-BURNING BROODERS

Most Dependable Brooders Known

In this new Buckeye Oil Brooder you will find the most efficient drum type brooder on the market today. Buckeye Oil Brooders have always been considered a remarkable value, and are now even better than before.

Every worthwhile feature in brooder construction, to the knowledge of our engineers has been tried, tested and approved and if found worthwhile, has been included in this remarkable unit.

As always, the heart of this new Buckeye Oil Brooder is in its die cast, constant pressure oil regulator which is absolutely positive in action. It maintains constant pressure of oil to the burner regardless of the amount of oil in the tank. Temperatures do not fluctuate immediately after the tank is filled or when it is practically empty, as is true with many brooders with less efficient regulator construction.



No. 152—Oil Brooder, 22 in. x 8 in. drum, 52 in. canopy.....	\$21.75
No. 252—Oil Brooder, 25 in. x 8 in. drum, 52 in. canopy.....	23.75
No. 257—Oil Brooder, 25 in. x 8 in. drum, 57 in. canopy.....	25.75

Draft Equalizer and Revolving Wind Deflector are added features at no extra cost.

EVEN HEAT BROODERS

The Buckeye "Even-Heat" Colony Brooder has unequalled heating power and accuracy of heat regulation.

No. 154—500 chicks, 54 in. canopy, shipping weight 83 lbs.....	\$17.00
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BLUE FLAME BROODERS

A good, sturdily built automatically controlled Blue Flame Brooder, with many outstanding features.

The automatic heat control is positive in action through efficient needle valve, operated by thermostatic brass wafer. Valve body is brass with small by-pass to allow sufficient flow to keep burner from going out.

Giant type burner produces an abundance of heat. Chimney is self centering, eliminating smoky flames. Burner and oil reservoir rigidly mounted in metal housing. Burner always level. Flame always even on all sides. Can't get out of adjustment.

No. 347—47 in. canopy.....	\$11.25
No. 357—57 in. canopy.....	12.05

BUCKEYE INCUBATORS

These small Buckeyes are precision built machines capable of turning out large percentage hatches seldom realized from incubators of like size.

Underwriters' Label on all models, except No. 65, as a warranty against fire hazard.

All Incubators, except No. 65, are now equipped with Automatic Egg Turners. Only a moment is required to turn all the eggs.

No. 65—75-egg capacity.....	\$19.45
No. 66—143-egg capacity.....	38.90
No. 67—286-egg capacity.....	51.95
No. 68—416-egg capacity.....	70.95
No. 69—576-egg capacity.....	89.95
No. 1350-37—Electric. 1350-egg capacity.....	197.50

THE USE OF A BUCKEYE INCUBATOR FOR HATCHING AND A BUCKEYE BROODER FOR REARING IS THE SCIENTIFIC WAY TO HATCH MORE EGGS; TO REAR STURDIER BIRDS IN SHORTER TIME AT LOWER COST; TO MAKE MORE MONEY FROM YOUR POULTRY

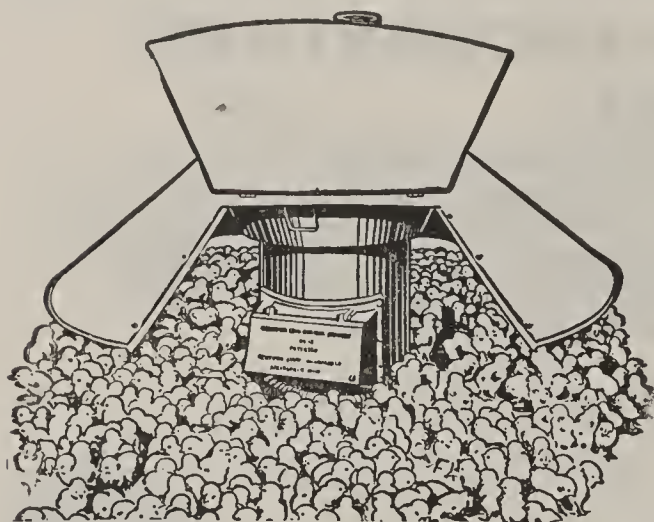
NEWTOWN BROODER

Will Raise Every Raisable Chick—Ask Any Owner

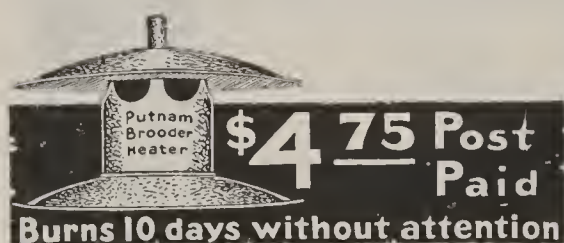
The Newtown Coal Burning Brooder has the reputation of being the most efficient brooder made. It needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating colony brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every state in the Union and eleven foreign countries, and represents the modern, up-to-date brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor saving. There is no brooder on the market which can be compared in any way to this brooder. When you think of these features you can see what Newtown is. It cares for all your chicks regardless of weather conditions. It burns a good grade of soft coal satisfactorily, as well as hard coal. It holds the fire and does not require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

Model	Weight Crated	Chick Capacity	Coal Capacity	Diam of Hover	Size of Pipe	Price
No. 11.....	220 lbs.	Up to 500	43 lbs.	50 in.	4 in.	\$29.50
No. 12.....	306 lbs.	Up to 1000	62 lbs.	56 in.	5 in.	39.50

In ordering repair parts always give number of Brooder Stove and name of part wanted



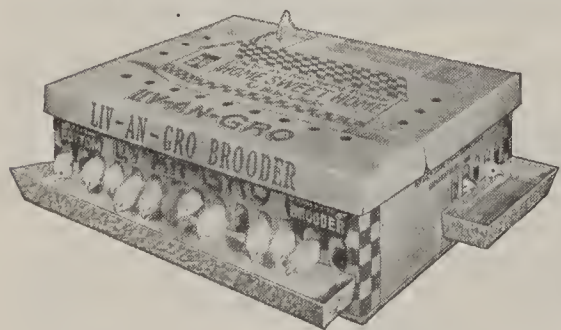
THE PUTNAM BROODER



This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater.

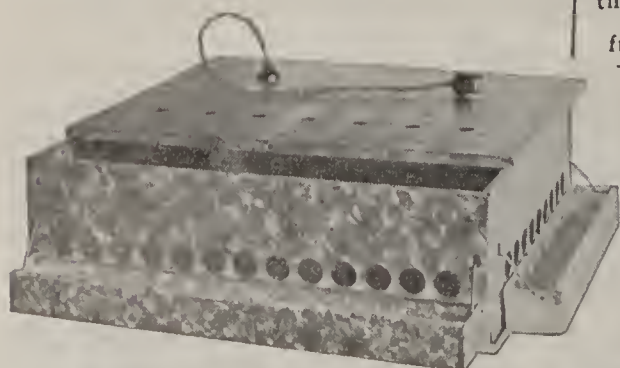
IMPROVED LIV-AN-GRO BROODER

Save 95 per cent of your chicks



Metal feed pan and water trough with sanitary $\frac{1}{2}$ inch mesh galvanized wire bottom, wire rods for holding wire bottom in place. Both cover and body are of extra heavy grade of corrugated board with desirable insulating properties. Adjustable guards at feed and water openings.

The electric heater consists of 6 feet of extension cord and one large metal circulation tube to hold electric bulb (bulb is not furnished). In Winter, when the room temperature is 65 or 70 degrees, a 40 watt bulb is recommended. \$1.95, postpaid \$2.10.



BABY CHICKS

Our chicks will please you
Blood Tested—For Pullorum Disease

We advise placing orders in advance as the demand for our chicks is always heavy. Every bird in our breeding flocks has been selected for health, vigor, production and must conform to the type of the breed it represents. Every bird is blood tested each year and all unsatisfactory birds are removed at once. Hatches every week after February 1st.

Prices subject to change.

	100	25
Leghorns. White, brown, buff.	\$9.00	\$2.75
Rocks. Barred, white, buff...	10.00	3.00
Reds.....	10.00	3.00
N. H. Reds.....	11.00	3.25
Wyandottes. White.....	10.00	3.00
Black Giants.....	11.00	3.25
White Giants.....	11.00	3.25

50 at the 100 rate, 1c. less per 1000

**MAMMOTH WHITE PEKIN DUCK-
LINGS IN SEASON.** \$18.00 per 100,
\$10.00 per 50, \$5.50 per 25

ADJUSTABLE ROOF SADDLE

The new Adjustable Roof Saddle is adjustable to care for any pitch roof; is furnished complete with stack and rain cap as illustrated. Made for two sizes of pipe—4 in. and 5 in., which should be specified in ordering. It is rustproof and rainproof, being made from heavy galvanized iron.



For 4 in. Pipe—Weight 7 lbs. \$1.50, postpaid \$1.65.

For 5 in. Pipe—Weight 7 lbs. \$1.50, postpaid \$1.65.

RAIN CAPS AND WIND DEFLECTORS

No. C-284—4 in. Rain Cap, 25c.; postpaid 35c.

No. C-285—5 in. Rain Cap, 30c.; postpaid 40c.

No. RC-284—4 in. Revolving Wind Deflector, 75c.; postpaid 85c.

No. RC-285—5 in. Revolving Wind Deflector, 80c.; postpaid 90c.

STOVE PIPE

	3 in.	4 in.	5 in.
Galvanized, 2 ft. joints.	\$0.23	\$0.25	\$0.30
Black, 2 ft. joints....	.18	.20	.25

ELBOWS

	3 in.	4 in.	5 in.
Galvanized.....	\$0.20	\$0.25	\$0.30
Black.....	.18	.20	.25

By Parcel Post add 10c. to each elbow or joint of pipe.

NOTICE

Due to the close margin on which baby chicks, eggs and all livestock is sold, we are obliged to sell this commodity for spotcash only. All orders should be accompanied by cash. One-fourth (25 per cent) of the amount of the order should accompany all orders for baby chicks for future delivery.

BUCKEYE METAL BROODER

This improved design brooder accommodates 50 day-old chicks. Inside dimensions, 18x22x6 inches high. Complete with galvanized dropping pan. Ideal for starting small lots of chicks. Uses ordinary electric light bulb for heat. Special Electrical Receptacle available.

Thousand use this small type starting brooder every year. Made entirely of heavy galvanized steel. Very sanitary. Easy to keep clean. Hardware cloth floor of $\frac{1}{2}$ -inch mesh. Feeder Trough 22 inches long. Water Trough 18 inches long. Ample size for capacity of brooder. Troughs easily removed for filling and cleaning. Order 3 brooders for each 100 chicks to allow for growth.

No. 100-EA—With electrical attachments. Weight 15 lbs. \$3.15, postage extra.

BUCKEYE ELECTRIC BROODERS

It's the Final Results in Livable Chicks and Electric Bills That Count



“BUCKEYE” PERFECT CONTACT HEAT BATTERY BROODER

This improved heater unit with rubber packing pad permits the chicks to actually contact rubber pad. This principle produces natural environment for chicks and can only be produced by this substance which is flexible, non-porous and a non-conductor of heat. The chick must touch its back to the heated rubber pad to obtain the Mother-Hen temperature. Same principle as applying a hot water bottle to the tenderest part of the human body.

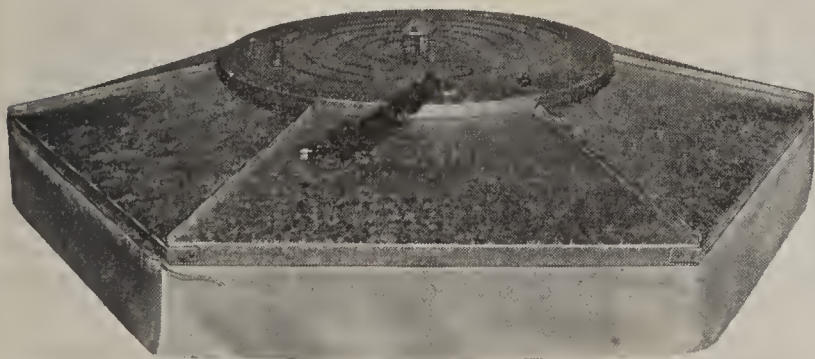
Copied batteries do not produce these results. There are actually more *Contact Brooders* in use by Hatcherymen, Feed Stores and other merchandisers of baby chicks than all others combined. There must be a reason, so investigate this brooder before you make your decision.

Many outstanding features found on no other brooder. Be sure to get details. When you buy “*Contact Heat*” be sure you get “*Contact Heat*” and not a substitute.

No. C -200	—1 Deck (200 chick capacity)	.....	\$30.40
No. C -400	—2 Decks (400 chick capacity)	.....	56.40
No. CS-400	—2 Decks with stand (400 chick capacity)	.....	61.60
No. CS-600	—3 Decks with stand (600 chick capacity)	.....	90.50
No. CS-800	—4 Decks with stand (800 chick capacity)	.....	116.20
No. CS-1000	—5 Decks with stand—(1000 chick capacity)	.....	141.95

BUCKEYE ELECTRIC—HEXAGON CANOPY

The Hexagon Buckeye Electric Brooders are provided with automatic heat regulators which control the current as needed and keep the temperature at the desired range. Pilot light serves as signal when the current is on. Regulating adjusting screw is on top of canopy. Guaranteed Heat Element used in these electric brooders will be replaced in two years if it burns out or fails to work. Size and wattage of Patented Heater is properly increased for size of canopy. Circular center section of these brooders are well insulated with ½ in. disc of



suitable insulation material to prevent heat loss and to conserve current consumption. Heating element mounted on bright galvanized steel deflector. Ventilator tube extends below heater ring and provides fresh air under canopy. Also eliminates moisture and damp litter under canopy. All Brooders are equipped complete with double cloth curtains to retain the heat. Brooder is made of heavy gauge galvanized steel. Furnished complete with legs—double cloth curtains—automatic regulator—pilot light—thermometer—8 ft. rubber covered drop cord. The No. 31 Buckeye is circular center section without hexagon canopy, but with curtain. All brooders shipped K. D. can be easily assembled.

No.	Description	Canopy Size		Capacity Day-		Heater	Price
		Inches		Old Chicks	Wattage		
31	—Electric Brooder . . .	28 (Round)		85-100	250		\$9.95
32	—Electric Brooder . . .	51		175-250	450		12.65
30	—Electric Brooder . . .	60		325-375	550		13.95

NEW BUCKEYE ELECTRIC

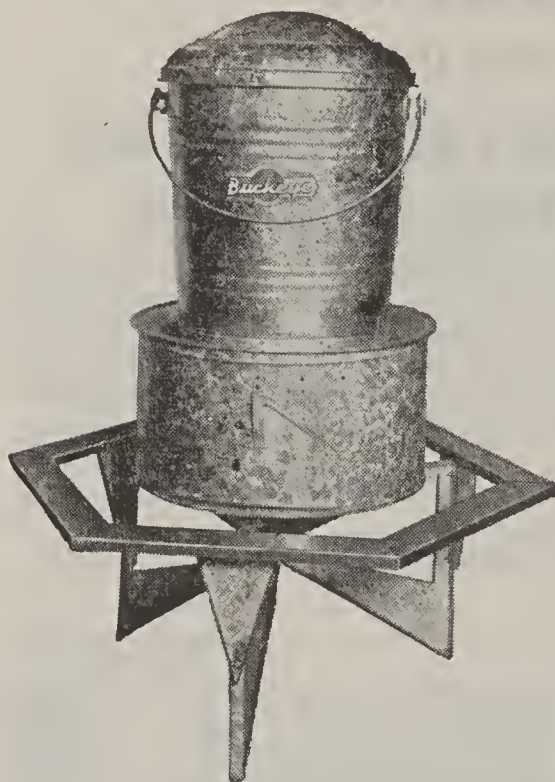
Buckeye, with its many thousands of satisfied brooder users, both coal and oil, has had where electricity is available, for a more perfect electric brooder than any which are now obtainable.



an insistent demand from sections This Buckeye electric brooder “won its spurs” covering many tests. It is built for convenience, low current cost and efficiency. The heating element, thermostat and pilot light are mounted on a removable panel. The element is of open coil type and is suspended between porcelain insulators, covered by a protecting screen of hardware cloth. The thermostat is a totally dust-proof, bi-metallic unit. Specially designed chrome-plated steel radiators are placed back of the heater wire to reflect the heat to the outside edge of the brooder, thus providing uniform heat in all parts of brooder. A special canvas curtain extends along the sides of the brooder and has a rip-proof finish.

Model No. 94A	300 chicks . . .	\$28.45
Model No. 95A	—500 chicks . . .	36.95

BUCKEYE MODERN POULTRY EQUIPMENT



BUCKEYE FOUNTAIN, HEATER AND STAND

Includes base, lamp and burner. Fits under 5 or 10 gal. fountain. The stand is also available as a separate item.

Special price for complete outfit.

No. 255-HS

For 5 gal. fountain, \$5.75, postpaid \$6.15

No. 269-HS—

For 10 gal. fountain, \$7.50, postpaid \$7.95

No. S-269—

stand only, \$1.85, postpaid \$2.05
Stands adjustable for any size fountain.

Not available

For **Heaters**, see next column.



FLOAT FOUNTAINS

Has double acting 4 in. copper float valve which is positive in action—self cleaning type that never clogs. Tank can be removed from bottom pan without fear of leaking. Heavy gauge metal, strong bails, beaded edges, perch-proof tops.

No. 255—5 gal. Float Fountain. Each \$2.50, postpaid \$2.70.

No. 269—10 gal. Float Fountain. Each \$3.95, postpaid \$4.20.

CHICK FOUNTS

For use with either growing chicks or mature fowls. Heavy metal perch proof top, heavy bail, rolled edges.

No. 259—5 qt. Single Wall Fountain. Each 60c., postpaid 75c.

No. 263—10 qt. Single Wall Fountain. Each 85c., postpaid \$1.00.

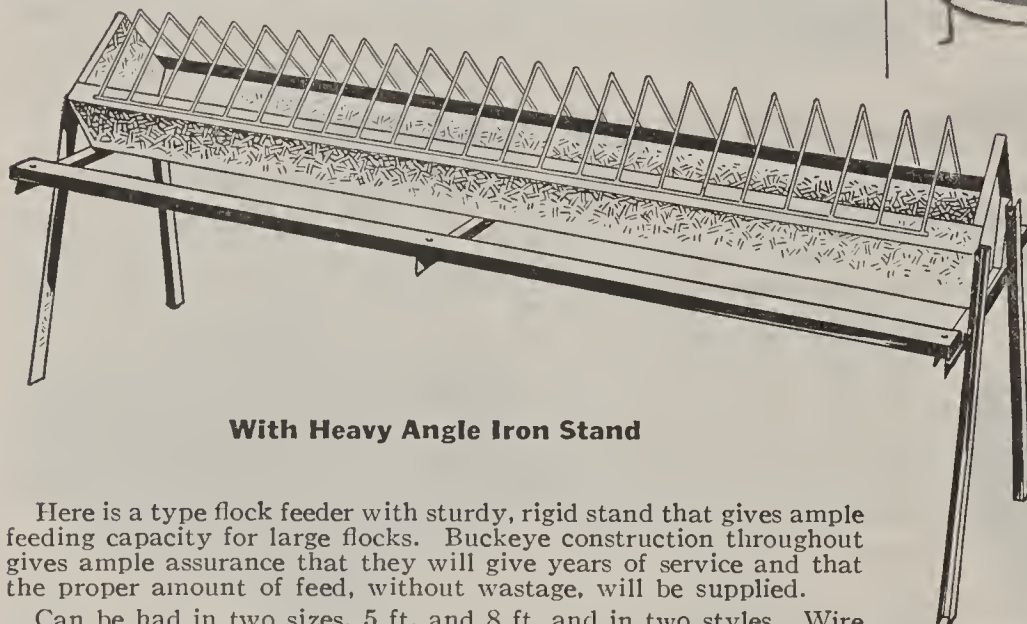
No. 264—12 qt. Single Wall Fountain. Each \$1.20, postpaid \$1.35.

No. 301—Double Wall, 1½ gal. Each \$1.05, postpaid \$1.15.

No. 302—Double Wall, 2 gal. Each \$1.20, postpaid \$1.35.



BUCKEYE FLOCK FEEDER



With Heavy Angle Iron Stand

Here is a type flock feeder with sturdy, rigid stand that gives ample feeding capacity for large flocks. Buckeye construction throughout gives ample assurance that they will give years of service and that the proper amount of feed, without wastage, will be supplied.

Can be had in two sizes, 5 ft. and 8 ft. and in two styles. Wire grill, as shown above, or heavy metal reel.

GS-205—5 ft. grill feeder.....\$3.85

GS-208—8 ft. grill feeder..... 5.95

RS-205—5 ft. reel feeder..... 3.85

RS-208—8 ft. reel feeder..... 5.95

Not available

FLOCK WATERER

No. WH-604—4 ft. Trough Heater and Stand.....\$9.25

ROUND WATER PAN—Removable Grill



This is an excellent pan for water. The specially designed perchproof top insures full efficiency and is easily removable. Pan can be supplied with stand or heater optional.

No. 265—Round Water Pan with Grill. \$1.20, postpaid \$1.35.

No. S-265—Pan, Grill, and Stand. \$1.70, postpaid \$1.95

No. S-253—Stand only, fits 255, 264, 265, 266.....50c., postpaid 60c.

DOUBLE WALL FOUNT

Made from heaviest metals, all edges beaded. Has heavy interior bail and perfect construction. Live rubber washer prevents leakage and holds water in can when top is removed. Round pan, easy to clean, a real value.



No. 266—3 gal.....\$1.85, postpaid \$2.00

No. 456—5 gal.....\$2.50, postpaid \$2.70

No. 457—8 gal.....\$3.25, postpaid \$3.50

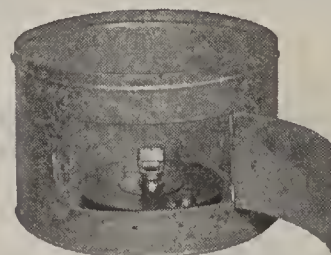
FOUNTAIN HEATERS

No. 170—12 in. Heater for Nos. 255-264-266 fountains, \$1.60, postpaid \$1.73.

No. 270—14 in. Heater for Nos. 265-456-457 fountain. \$1.80, postpaid \$1.93.

No. 470—18 in. Heater for No. 269 fountain. \$2.00, postpaid \$2.13.

For other heaters, see page 66.



BUCKEYE JAR FOUNTS—Fit Any Mason Jar

No. 202—Standard galvanized jar fountain for mason jars, new design, heavily beaded center screw cap, welded to pan and guaranteed to stay.

No. 203—Standard blue enameled jar fountain. Same as above. Each 10c., postpaid 15c.; 3 for 25c., postpaid 35c.; doz. 80c., postpaid 95c.

Sanitary Stands for same. 5c. each.

No. 204—Heavy crystal glass bottom, furnished with spring clip, which snaps over glass pan, holding jar in rigid position. Can be used for water, medicated solutions or milk. Each 15c., 2 for 25c., postpaid 32c.

CHICK BOXES

Blue Ribbon Pullmans. 100 chick, 25c.; 50 chick, 20c.; 25 chick, 15c. All postpaid.

BABY CHICK SUPPLIES

BUCKEYE CHICK FEEDERS

Metal Revolving Reel Type Square Bottom



R-224

Made from heavy galvanized iron stamped from one piece. No ends to break off or get loose. Wide lip on each side prevents food waste. May be used for feed or water. 4 in. wide and 12 in. deep.

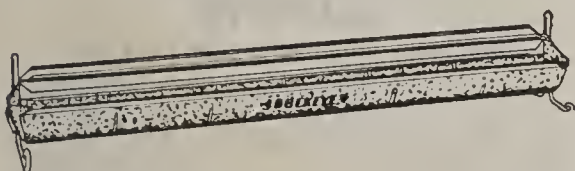
No. R212—Length 12 in. 15c., postpaid 20c.
2 for 25c., postpaid 35c.

No. R218—Length 20 in. 20c., postpaid 30c.
2 for 35c., postpaid 50c.

No. R224—Length 24 in. 30c., postpaid 40c.

No. TR224 Charcoal tin. Length 24 in. 40c., postpaid 50c.

Round Bottom, Adjustable Legs



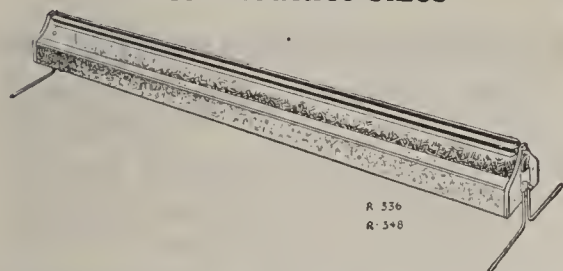
No. R231. Length 31 in. 55c., postpaid 65c.

No. R243. Length 43 in. 70c., postpaid 85c.

No. G231. Wire grill, 31 in. 80c., postpaid 95c.

No. G243. Wire grill, 43 in. 95c., postpaid \$1.15.

Intermediate sizes



R 336
R 348

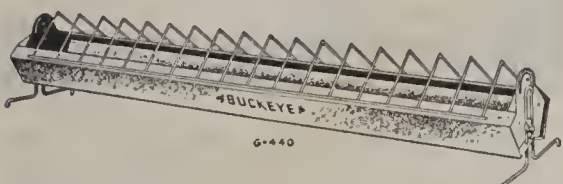
No. R436. Length 36 in. 70c., postpaid 85c.

No. R448. Length 48 in. 90c., postpaid \$1.10

No. G436. Wire grill, 36 in. \$1.00, postpaid \$1.20.

No. G448. Wire grill, 48 in. \$1.25, postpaid \$1.45.

Broiler sizes



G-440

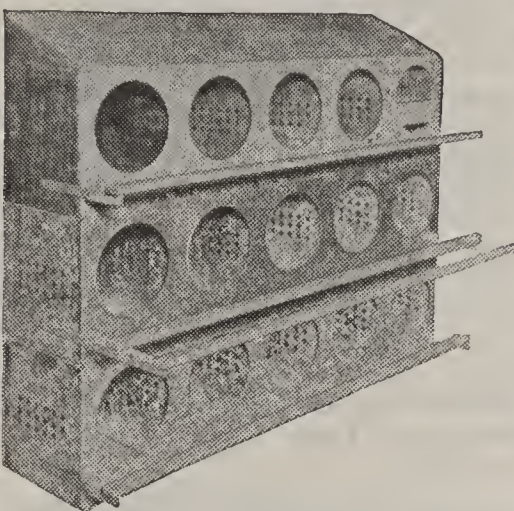
No. G440. 40 in. Grill. \$1.15, postpaid \$1.30.

No. R440. 40 in. Reel. \$1.10, postpaid \$1.35.



No. GD440. Double adjustable grill, 40 in. \$1.75, postpaid \$2.00.

SANITARY STEEL NESTS



Substantially constructed. Priced right. Well ventilated. No overheating in hot weather. Ample room for large, heavy hens. In addition, for poultry breeders, we can furnish trap nest fronts as listed.

No. 406—6 hole nest.....Each \$5.30

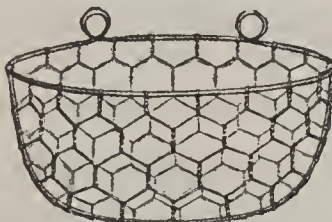
No. 410—10 hole nest.....Each 7.75

No. 415—15 hole nest.....Each 10.60

No. 416—Trap nest front for round hole nest.....Each .40

Postpaid......45

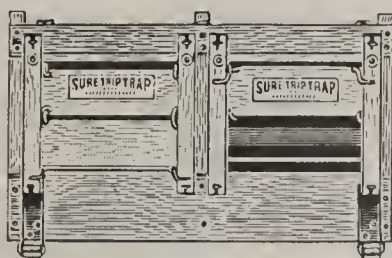
WIRE NESTS



These nests are strongly made from coppered wire, reinforced with coppered steel ribs. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean. Each 25c., doz. \$2.50. Parcel post weight, 1 lb. each.

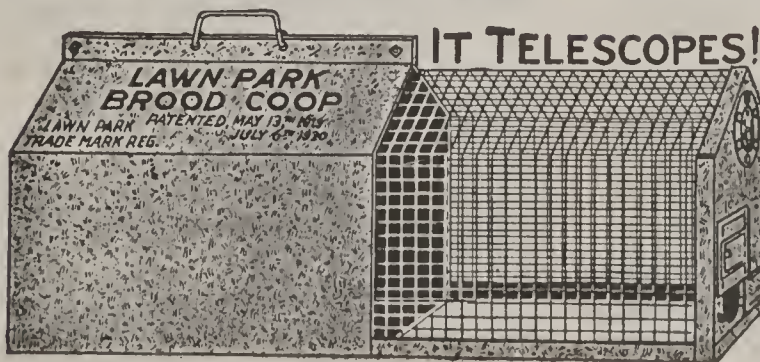
CYCLONE TRAP NEST FRONT

No. 116. Each 30c., postpaid 40c.



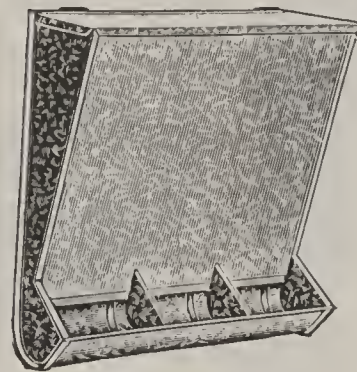
SURE TRIP TRAP NEST FRONT

Simple mechanical device, ingeniously designed, which accurately traps. Easily attached to an orange box or any home-made nest. Very inexpensive. Each 35c.; postpaid, 42c.; 3 for \$1.00, postpaid; 100 for \$25.00, f.o.b. Baltimore, Md.



IT TELESCOPES!

MODERN GRIT BOXES



The feeding of grit, charcoal and ground shells is very essential. The compartment box here illustrated is inexpensive and practical. Made of galvanized iron.

No. 807—12 in. long. \$1.15, postpaid \$1.30

No. 808—16 in. long. \$1.50, postpaid \$1.70

No. 9—Three compartments. 85c., postpaid, 95c.

No. 45—Two compartments. Holds 1 qt. 40c., postpaid 47c.

BUCKEYE EGG BASKET



Hot dipped in molten tin to prevent rust and sturdily constructed to give extra life. This basket will not crack or mark eggs because of its substantial construction. Held off ground to insure perfect cooling. Has card holder for flock identification.

No. 114. 18 dozen egg basket, Each 90c., postpaid \$1.05.

STOP CANNIBALISM

Use **PICK REM** for chicks. See page 70.

Use **HELMETS** for hens. See page 66.

LAWN PARK BROOD COOP

The "Lawn Park" is large and roomy, being 18 in. wide, 19½ in. high and 48 in. long, with park extended. Each \$3.00. Cannot be sent by Parcel Post.

LEG BANDS FOR POULTRY AND PIGEONS



When ordering bands, state for which breed.

M.-S. Ribbon Bands.

This is an exceptional band; in fact, the best celluloid band ever produced. It has a good, large number that is indestructible so far as wear is concerned. The best band ever made for use in trap-nesting. Made in six sizes, nine colors

Per 100, postpaid

No. 1—Chick size, day old.....\$1.25

No. 2—Chick size, two weeks old,

or for pigeons..... 1.25

No. 3—Mediterranean breeds..... 1.50

No. 4—American breeds..... 1.60

No. 5—Asiatic breeds..... 1.75

No. 6—Turkeys and geese..... 2.75

In small lots, all sizes, doz. 25c.; No. 6, doz. 35c.

Spiralet Leg Bands. Are made of celluloid in different colors. Black, white, blue, red, green, yellow. Three poultry sizes (state breed and sex): 12, 10c.; 50, 35c.; 100, 60c.; 1000, \$4.00. Pigeon and Day Old Chick Size: 12, 10c.; 25, 20c.; 50, 30c.; 100, 50c.

Wing Bands. The best clinch or seal wing band manufactured. Doz. 15c., 25, 25c.; 50, 35c.; 100, 60c., postpaid.



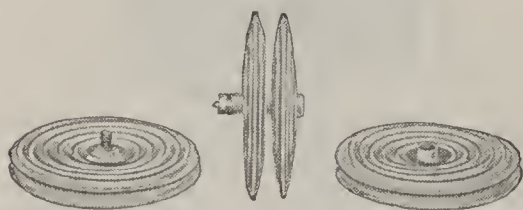
Adjustable leg bands.

Adjustable for any breed of poultry. Doz. 15c.; 25, 25c.; 50, 40c.; 100, 75c.; 250 \$1.25; 1000, \$4.75.

Elite Double Number Colored Pigeon Bands. For marking nest pairs. This band is the most visible, numbered on both sides, in 12 colors, black numbers on white field. 6 pairs 30c., 12 pairs 50c., 25 pairs \$1.00, 50 pairs \$2.00.

No. 6—Bandettes for Pigeons. Made of celluloid, large, double numbers. 12 bands, 25c.; 25, 45c.; 50, 80c.; 100, \$1.50.

All Bands Postpaid.



WAFER THERMOSTATS

All brass, double unit, for all makes brooders and incubators. 3 in. 25c., 4 in. 30c., 5 in. 40c.; postage, 5c. extra.

Screw Post Wafers. 5c. higher.

BUCKEYE THERMOMETERS

Brooder Thermometer. Easily read. 25c. each. Postpaid 30c.

No. 400. Electric Brooder Thermometer, inside scale 50c., postpaid 55c.

No. 401. Electric Brooder Thermometer, outside scale 65c., postpaid 70c.

Buckeye Incubator Thermometer. 75c., postpaid 85c.

"Tycos" Incubator Thermometer. No. 5776. Each 75c., postpaid 80c.

"Tycos" Certified Thermometer No. 5783. \$1.00, postpaid \$1.05.

"Tycos" Incubator Hygrometer, No. 5796. \$1.50, postpaid \$1.60. Extra wicks, each 10c., postpaid.

INCUBATOR AND BROODER REPAIRS

We carry a full line of Buckeye Incubator and Brooder Repairs.

Incubator Wicks. State sizes wanted. 5c. each, doz. 50c., postpaid.

Brooder Wicks. No. 20, 30c.; No. 30, 50c., postpaid.

Abestos Wicks. 25c. postpaid.

Putnam Stove Wicks and Holder and Wick, 10c., postpaid.

Putnam Heater Wicks and Holder and Wick 15c., postpaid.

Incubator and Brooder Lamp Burners.

For Buckeye, Cyphers and other makes.

Nos. 2 and 3, large size, \$1.00; postpaid

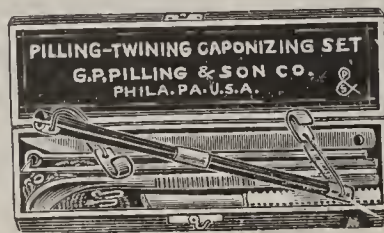
\$1.07. No. 1 takes 1 in. wick, has large

flame. 75c., postpaid 82c.

Chimneyless Lamp Burner. 50c., post-

paid 60c.

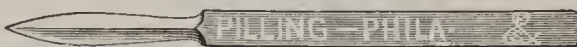
CAPONIZING SETS, POULTRY MARKERS, ETC.



Philadelphia Caponizing Set. In plain box, \$3.00; in velvet-lined box, \$3.50, postpaid.

Lansdowne No. 1 Caponizing Set. \$5.00, postpaid.

Cornell Caponizing Set. \$6.00, postpaid.



French Poultry Killing Knife. 60c., postpaid.

Pinning Knives. 50c. postpaid.

Poultry Marker. In shape of pliers. 25c., postpaid.

Petty's Vest Pocket Poultry Punch. For convenience it has no equal. 25c., postpaid.

Petty's Lever Punch. Closes hole to prevent bleeding. 50c., postpaid.



Philadelphia Poultry Marker. 25c., postpaid.

POULTRY HOUSE SCRAPER



For cleaning dropping boards, scraping floors, and scraping snow and slush from walks. \$1.25, postpaid \$1.35.

ELECTRIC THERMOSTAT SWITCH

An accurate snap type for use on Battery Brooders, Incubators or any place where correct temperature control is essential. Each \$1.95, \$2.05 postpaid.

WHITE WASH LIME

½ pk. 30c., 1 pk. 50c., ½ bu. 90c., 1 bu. \$1.75. Not available.

EARTHENWARE FOUNTAINS



These poultry fountains supply a constant flow of pure water. Made in 2 pieces, can be easily kept clean and sanitary. The slot also permits the use of thick milk or other heavy liquids. In following sizes: 1 qt. size, 35c.; 2 qt. size, 40c.; 4 qt. size, 50c.; 8 qt. size, \$1.00. Not available.

PIGEON BATH PANS

Made of heavy galvanized iron, 18 in. in diameter, 3 in. deep. Each \$1.00, postpaid \$1.15.

Clay Pigeon Nest. Each 20c., doz. \$2.00. Express only.

HELMETS

Prevents Pickouts and Picking

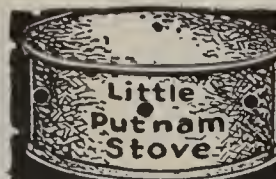
Helmets are simple metal devices that are attached to the beaks of ready to lay or laying chickens, to prevent them from picking. These Helmets extend out over the beak, resting directly on top of the beak, permitting the birds free access to eat. In practicing cannibalism, a bird generally holds its head in a horizontal or semi-horizontal position. When held so, the Helmet offers complete protection by shielding the end of the beak. Helmets permit all natural functions of the chickens and will not interfere with production. Easy to attach. 50, \$1.50; 100, \$2.50; 500, \$11.25; 1000, \$20.00.

ELECTRIC FOUNTAIN HEATER

Keeps drinking water from freezing, even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain pan, crock or bucket. No adjusting. No regulating. \$1.75, postpaid.

For other heaters, see page 67.

LITTLE PUTNAM STOVE FOR POULTRY FOUNTAINS AND OAT SPROUTERS



Burns a Month Without Attention

Will keep water from freezing in zero weather. It holds 6c. worth of oil and burns a month without filling or trimming. Fool-proof and fire safe. \$2.00 postpaid.

POULTRY PEAT LITTER

A most sanitary and economical litter for poultry. Peck 25c., bu. 50c., full size bale \$2.85. Prices on larger quantities on quotation.

BIOLOGICAL PRODUCTS

Roup Bacterin, Fowl Pox Vaccine, Tuberculin (Avian), Stained Antigen, Cholera-Typhoid Bacterin, etc. For poultry and all livestock. Write for prices on the various sizes, doses or tests.

METAL EGG CRATES**Sell Eggs by Mail**

Indestructible; made for interchangeable shipments; lasts for years. Realize more money for your eggs.

Butter and eggs safely carried by mail in same crate.

Can be used for other product.

Size, All Eggs	Empty	Filled	Price	Post-paid
1 doz.....	2 lbs.	4 lbs.	\$1.00	\$1.08
2 doz.....	4 lbs.	6 lbs.	1.25	1.35
3 doz.....	4 lbs.	8 lbs.	1.50	1.60
4 doz.....	5 lbs.	11 lbs.	1.75	1.86
6 doz.....	6 lbs.	15 lbs.	2.00	2.12
9 doz.....	8 lbs.	22 lbs.	2.50	2.64
12 doz.....	10 lbs.	28 lbs.	3.00	3.16

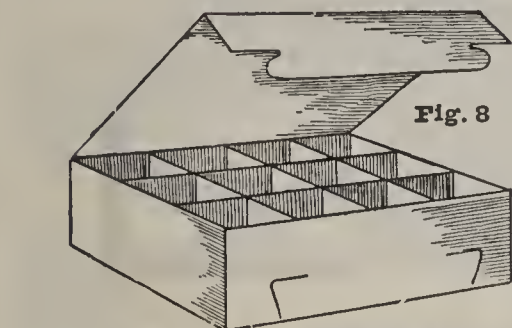


Fig. 8

M.-S. EGG BOX

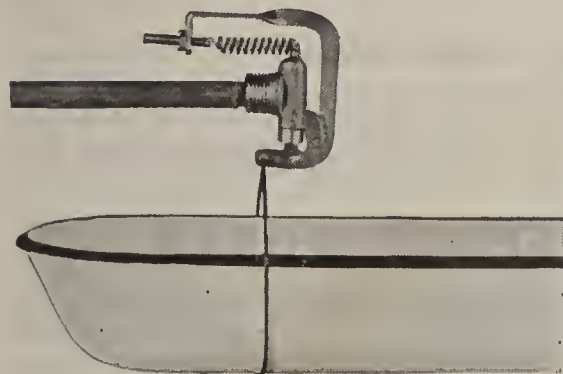
This is an ideal 3x4 box for the retail egg trade holding one dozen, presenting the goods to the customer in an attractive package. They knock down in very compact shape. Doz. 15c., postpaid 20c.; \$1.00 for 125, postpaid \$1.20; 250 \$1.85, postpaid \$2.20; 1000 \$6.50.

HUMPTY DUMPTY EGG CARRIER

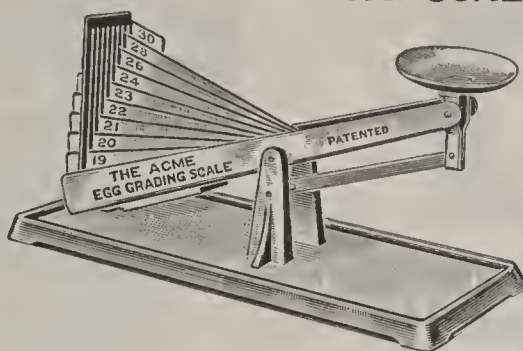
A very light, strong and convenient egg crate and carrier. Made of hardwood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 12 doz. 75c., postpaid 86c.

EGG TESTERS

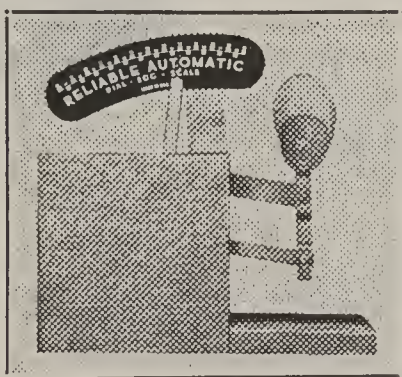
Buckeye Tester. 35c., postpaid 40c.
Tin Egg Tester. 25c., postpaid 30c.

GRAVITY WATER VALVE

A valve automatic in operation which keeps water at any level desired. It is attached to trough, as shown in illustration, with a wire that slips into notch in arm of valve. It has an adjusting nut that can be tightened or loosened which acts in like manner on spring that regulates the pressure on valve stem which controls flow of water. Will save time and labor, keeps water troughs full in brooder house, laying house or range, whether connected to barrel, gravity, or pressure system. Quickly shut off for cleaning troughs, etc. Made of brass, dependable. The valve can be attached to a 1/4 in. or 1/2 in. pipe, as it is threaded for both sizes. Fully guaranteed. 85c. postpaid.

ACME EGG GRADING SCALE

Has been officially adopted as the standard scale in many sections of the United States. Made entirely of aluminum. Indicates grade instantly. Each \$2.45, postpaid.

RELIABLE DIAL EGG SCALE

A good egg scale—accurate dependable and fast. Each \$1.65, postpaid \$1.75.

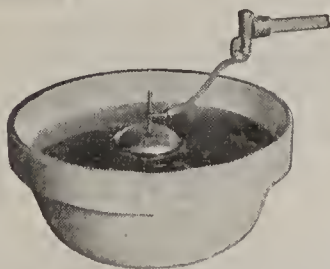
NEST EGGS

Encourage hens to lay in the nests by the use of nest eggs. This will prevent the loss sustained by hens laying on the floor and other places, where eggs are broken and soiled. Broken eggs encourage the very bad habit of egg-eating by the birds.

Opal Nest Egg. Made of glass. Each 5c., doz. 40c., postpaid 50c.

M.-S. Lime Nest Egg. Will last indefinitely. Looks most natural. Each 5c., doz. 40c., postpaid 50c.

Chatfield's Napthalene Nest Eggs. Keeps vermin away, disinfects nest. Each 5c., doz. 50c., postpaid 60c.

AUTOMATIC FLOAT VALVE

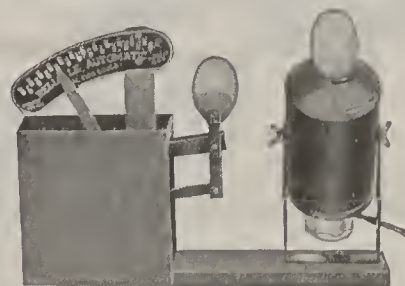
A perfect Automatic Float Valve to regulate the flow of water and keeps at all times a certain level. It can be attached to a regular iron water pipe or a barrel or tank. The entire float is made of brass. It is positively guaranteed. For self-watering drinking troughs and self-watering drinking hog troughs, cattle or horse tanks, etc., it is without an equal. \$1.00, postpaid \$1.05.

AUTOMATIC ELECTRIC WATER WARMER

More eggs in zero weather. Holds water at 50 deg. at all times. Thermostatic control. No radio interference, no fire hazard, uses current only when water temperature falls below 50 deg., entirely automatic, complete with 6 ft. waterprof electric cord. \$3.00, postpaid \$3.10.

REFLECTO EGG CANDLER

No. 700. Complete candler, including cord, socket and bulb for 110 voltage, \$1.30, postpaid \$1.40.

CANDLEWEIGH EGG GRADER

Get more profit from your poultry. Eggs today are sold on grade and quality. If you want to get the best prices for your eggs, weigh and grade them with a candleweigh grader. Quickly establishes weight and grade, very popular. Each \$3.00, postpaid \$3.15.

PERFECTION EGG GRADER**New All-Metal Model**

Introduced at I. B. C. A. Convention. The fastest, most accurate Egg Grader ever offered at a low price. Grades 3 to 5 cases per hour—*automatically*. Separates eggs into any 4 grades desired. Meets all State grading laws. Adopted by leading agricultural colleges. Adjustable.

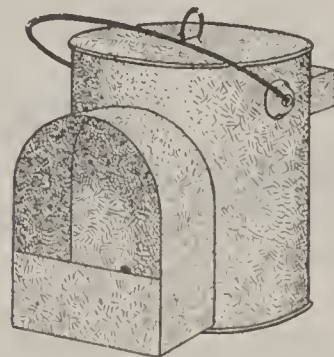
No dials to read. No electricity needed. Portable, weighs only 12 lbs. Molded rubber tray. A great time saver and money maker. Assures uniform pack. Quickly pays for itself. Complete, \$12.00, postpaid \$12.75.

**WATER GLASS**

Put your eggs down in the Spring and Summer when they are cheap and keep them fresh for 10 months. 1 gal. makes sufficient solution for 50 to 60 dozen. 1 qt. 35c., postpaid 48c.; 1 gal. \$1.00, postpaid \$1.23.

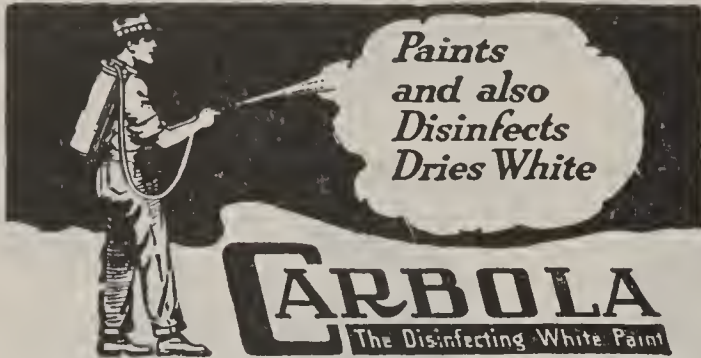
PIGEON FOUNTAINS**Hooded Fountain.**

A two-piece sanitary fountain; the top section slides over bottom section, the double wall keeps the water cool in summer and warm in Winter. Pigeons flying about in the loft cannot soil the water. Easy to keep clean. 4 qt. 85c., postpaid \$1.00; 8 qt. \$1.15, postpaid \$1.30.



"Peerless" Drinking Fountain. Keeps the water clean and pure. 5 qts. 90c., postpaid \$1.00.

Feed Cups for Exhibition and Training Cages. Large size, No. 1, each 20c., doz. \$1.75; small size, No. 0, each 15c., doz. \$1.50, postpaid.



THE POWDER OF MANY USES

CARBOLA is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. *One pound covers 100 sq. ft.*



IN THE CHICKEN HOUSE

To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

IN THE BARN

To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.



IN THE HOUSE

Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevent cobwebs, disease germs, drive out spiders, ants and other insects. Use the dry powder as cleanser for pots, pans, cutlery and for removing stains from woodwork. Especially recommended in bathroom for cleaning bathtubs, wash basins, tile and for disinfecting the bowl.

Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help get rid of insects and worms. Spray it on trees and tree trunks.

It increases light, sanitation and general appearance in factory buildings. It makes cleaner warehouses. An excellent and economical interior finish for garages.

1 lb. covers 100 sq. ft. 5 lbs. 60c., (makes 2½ gals.), postpaid 72c.; 10 lbs. 98c., postpaid \$1.15; 25 lbs. \$1.90, postpaid \$2.25; 50 lbs. \$3.50, postpaid \$4.10.

HEXAGON MESH POULTRY NETTING

Put up in rolls of 150 running feet. Galvanized after weaving.

	2 in. No. 20 Wire	1 in. No. 20 Wire
12 in.....	\$1.30	\$2.50
18 in.....	1.75	3.60
24 in.....	2.10	4.55
36 in.....	2.95	6.60
48 in.....	3.85	8.50
60 in.....	4.60	10.50
72 in.....	5.35	12.70

2 in., less than roll lots, 1c. sq. ft.; 1 in., 2c. Price subject to change without notice.

POULTRY WIRESTAPLES. Lb. 10c.



CEL-O-GLASS

Now Guaranteed for 5 Years

It is the only ultra-violet ray window material on a wire mesh base with published scientific proof that it increases egg production and reduces chick losses.

Low egg production, soft-shelled eggs, disease and leg weakness can often be traced to a deficiency of ultra-violet or its equivalent. "Cel-O-Glass" brings these vitalizing ultra-violet rays of the sun inside your poultry houses all winter long, when you need them most. These rays, which are barred out by ordinary glass and soiled cloth curtains, enable your hens to make proper use of calcium and phosphorus, the bone-building and shell-making minerals. Furthermore, "Cel-O-Glass" keeps houses warmer and drier, and free from draughts... Experiment stations, egg-laying contests, commercial poultrymen and flock owners have found that "Cel-O-Glass" increases egg production and reduces chick mortality. It can do the same for you.

Cut any size from 1 running foot up. Per running foot: 28 in. wide, 30c.; 36 in. wide, 37c.; postage, 10c. for 1 running foot; 1c. extra for each additional running foot; 100 ft. rolls, 28 in. \$29.00; 100 ft. rolls, 36 in. \$36.00.

Also can be supplied in 48 in. widths, \$50.00 per 100 ft. rolls. Sold in roll lots only.

Also used for Hotbeds, Cold Frames, Storm Doors, Storm Windows, Back Porches, Hog Houses, Dairy Barns, Milk Houses; Dog Kennels, Rabbit Hutches, and many others.

VIO-RAY (Glass Cloth)

Use in place of ordinary glass. Permits the ultra violet rays to enter, but effectively keeps out wind and rain; buildings will be from 10 to 12 degrees warmer when this material is used. 1 sq. yd. 23c., 10 sq. yds. or more, 20c. per sq. yd.; postage, 10c. for 1 sq. yd.; 1c. extra for each additional square yard.

SWEETS FENCE POSTS

Superior strength; flanged leg channel section assures maximum strength. Attractive appearance, maximum durability. Tested to withstand bending strain of heavy weights and windloads. Unequalled economy.

	Length	Price
Line Post.....	3 ft.	\$0.30
Line Post.....	5 ft.	.40
Line Post.....	6 ft.	.50
Line Post.....	7 ft.	.60
Line Post.....	8 ft.	.75
End Post.....	6 ft.	2.50
End Post.....	7 ft.	2.65
End Post.....	8 ft.	3.00

HARDWARE CLOTH

Made from heavy wire, galvanized after weaving. Used for corn cribs, sieves, windows, etc. 3x3 mesh. 24 in., 30 in. and 36 in. sizes. 5c. per sq. ft. in roll lots; 6½c. per sq. ft. in less than roll lots.

POULTRY AND BIRD FOODS, DISINFECTANTS, TONICS, ETC.

On articles not marked postpaid, allow 8c. for the first lb., 2c. for the second lb., and 1c. for every additional lb. Prices on all Foods subject to change without notice. Prices on larger quantities on request

FEEDS, BIRD SEEDS, ETC.

BIRD SEEDS		Lb.
Canary.....		10c.
Rape (German).....		10c.
Millet (Red or White).....		5c.
Sunflower.....		10c.
Thistle.....		20c.
Maw.....		20c.
Flax.....		10c.
Cuttle Bone.....		40c.
Mixed Bird Seed.....		10c.
Bird Sand.....	2 lb. pkg.	10c.

POULTRY GRAINS

	Lb.
Cracked Corn.....	4c.
Oats.....	4c.
Barley.....	4c.
Buckwheat.....	4c.
Whole Corn.....	4c.
Kaffir Corn.....	5c.

PIGEON FEEDS

	Lb.
Mixed Pigeon Feed.....	5c.
Argentine Corn.....	4c.
Domestic Corn.....	4c.
Canada Peas.....	7c.
Maple Peas.....	8c.
Tic Beans.....	10c.
Lentils.....	7c.
Rice.....	7c.
Kaffir Corn.....	5c.
Hemp Seed.....	10c.
Hulled Oats.....	5c.
Vetches.....	7c.
Buckwheat.....	4c.
No-Light Pills.....	30c., postpaid 32c.

GRITT, SHELL, CHARCOAL, Ect.

	Lb.
Poultry Grit (3 sizes).....	2c.
Poultry Shell (3 sizes).....	2c.
Pigeon Grit (Foust).....	3c.
Pigeon Grit (Red Cross).....	3c.
Charcoal (3 sizes).....	5c.
Tobacco Stems.....	5c.

MISCELLANEOUS FEEDS

	Lb.
Alfalfa Meal.....	4c.
Alfalfa Leaf Meal.....	5c.
Beef Scrap.....	5c.
Bran.....	4c.
Buttermilk (Semi-solid).....	10c.
Buttermilk (Dried).....	10c.
Flaxseed Meal.....	5c.

PREPARED FEEDS

(Conkey's and Pratt's)	Lb.
Startling Mash.....	6c.
Growling Mash.....	5c.
Laying Mash.....	4c.
Chick Grains.....	5c.
Growling Grains.....	4c.
Scratch Grains.....	4c.

DIVCO TATTOO

For positive permanent marking of poultry, turkeys, geese, pigeons, rabbits, household pets, foxes, sheep, etc. A one piece tattoo marker with cut steel design. Marks them for life. Complete outfit with serial number, \$2.85, postpaid \$2.95.

TATTOO INK

(Non-poisonous) 25c., postpaid 30c.

POUL-TOBAC

Used for Round Worms in Poultry. 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$4.50.

CONKEY'S POULTRY REMEDIES

CONKEY'S OLD RELIABLE POWDER

Known to poultrymen everywhere as Conkey's Roup Remedy. Keep it on hand for use in emergency or put it in drinking founts on cold, rainy days or when there is a sudden change in weather. Pkgs. 25c., 50c., \$1.00; 1½ lb. can \$2.35, all postpaid; 5 lb. can \$5.50, postpaid \$5.75.

CONKEY'S POULTRY PILLS

Pkts. 25c., 50c., \$1.00, all postpaid. Breeder size (1000 pills) \$2.75, postpaid \$3.00.

CONKEY'S BALMO

A soothing, cooling application for relieving irritation around swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg. 50c., postpaid 55c.

CONKEY'S SALVO

Good to have on hand for treating sores, cuts and wounds of any description. Pkgs. 25c., 50c., or 30c., 55c., postpaid.

CONKEY'S DIA-TABS

Once you have used this old reliable preparation you will never be without it. Play safe—keep this remedy in the drinking water of all baby chicks until danger period of the first few weeks is past. Pkgs. 25c., 50c., \$1.00, all postpaid. Breeder size (950 tablets) \$3.75, postpaid \$3.85.

CONKEY'S NOX-I-CIDE

For poultrymen, Nox-I-Cide is indispensable as a red mite destroyer. Paint it on the roosts and spray it into cracks. Spray premises daily when disease is present and once a week as a preventive of red mites, ticks, "blue-bugs" and disease epidemics. Cans: Pt. 40c., postpaid 50c.; qt. 60c., postpaid 72c.; 2 qts. 90c., postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

CONKEY'S POULTRY TONIC

Every bird will be healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds get more out of their feed. They produce more eggs and better flesh on less feed, by better digestion and assimilation. Pkgs., 1½ lbs. 25c., 3¼ lbs. 50c., 7 lbs. \$1.00; pails, 12 lbs. \$1.60, 25 lbs. \$3.00; bags, 50 lbs. \$5.00, 100 lbs. \$9.50. Parcel post, express or freight charges extra.

CONKEY'S COD LIVER OIL

Laboratory tested. Gal. \$1.50, postpaid \$1.70.

CONKEY'S FLY KNOCKER

Play safe, use Conkey's New Fly Knocker in the dairy, around the barns and on the animals and be relieved of fly worries. Does not discolor, is not gummy, does not taint the milk, repels for a long time. Has a knock-down rating of 99% and a kill rating of 73%. Qt. 60c., postpaid 72c.; ½ gal. 90c., postpaid \$1.05; gal. \$1.50, postpaid \$1.73; 5 gals. \$7.25. F.o.b. Baltimore.

CONKEY'S Y-O YEAST AND COD LIVER OIL

In powder form. Lb. 50c., postpaid 60c.; 2 lbs. 90c., postpaid \$1.00; 5 lbs. \$1.60, postpaid \$1.75.

TOXITE

Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. 1 gal. \$1.50, postpaid \$1.70.

PRATT'S POULTRY REMEDIES

PRATT'S POULTRY REGULATOR

For health and eggs. Use it the year 'round. Pkgs. 25c. and 55c., postpaid 33c. and 66c., 12½ lb. pkg. \$1.60, postpaid \$1.80; 25 lb. pail \$2.85, postpaid \$3.16; 100-lb. drum \$9.50. F.o.b. Baltimore, Md.

PRATT'S N-K CAPSULES (Split Action)

For poultry worms. Pratt's N-K Capsules are quick, sure death for worms. Adults: 50 capsules 85c., 100 capsules \$1.50, 500 capsules \$5.50, 1000 capsules \$10.00. Chick and Pullett, 50 capsules 55c., 100 capsules \$1.00, 500 capsules \$3.75, 1000 capsules \$6.50, postpaid.

PRATT'S DISINFECTANT

It is an economical, powerful, non-poisonous, coal tar disinfectant. Qt. 50c., postpaid 62c.; ½ gal. 85c., postpaid \$1.00, gal. \$1.45, postpaid \$1.70.

PRATT'S LICE KILLER

For use on poultry in dust baths, nests, etc. In sifter cans, 30c. and 60c.; postpaid, add 8c. and 10c.

PRATT'S CHICK TABLETS

Use in the drinking water for the first couple of weeks. Will save you many dollars in chicks. Pkgs 30c. and 60c. postpaid.

PRATT'S R-P TABLETS

Save your birds from heavy roup loss. Guaranteed to get satisfaction or your money back. Pkgs. 25c. and 50c., postpaid.

PRATT'S WORM POWDER

A flock treatment for use in mash for round worm. Pkg. 75c., postpaid.

PRATT'S CHICKEN POX REMEDY

Pkg. 60c., postpaid.

ANIMAL REGULATOR

Keeps stock in the pink of condition. Pkg. 25c., postpaid 32c.; 50c., postpaid 58c.

PRATT'S HOG POWDER

Makes healthy hogs. Many successful hog raisers report that the feeding of this powder twice a month will control common worm trouble. Pkg. 50c., postpaid 58c.

PRATT'S ROOST PAINT

Will kill body lice on fowls. You merely paint the roost at night—the fumes kill lice on the fowls. There are no irritating or harmful effects to the birds. Pratt's Roost Paint kills the majority of lice the very first night. Not available. 2 oz. 35c. postpaid 40c. ½ pt. 85c., postpaid 95c.; pt. \$1.50, postpaid \$1.60; qt. \$2.25, postpaid \$2.37; gal. \$7.00, postpaid \$7.25.

CARBOLINEUM (Genuine)

A wood preservative, prevents decay of woodwork above and below ground or water, and where subject to attacks of fungi, white ants and other borers. Also used to destroy red mites in poultry houses. Gal. \$1.50, postpaid \$1.75.

Bag Balm. For all diseases of the cow's udder and teats. 60c., postpaid.

Kow Kare. The great cow tonic. 65c., postpaid 73c. 2¼ lbs. \$1.25; postpaid \$1.34.

LEE'S REMEDIES

Lee's Lice Killer, Liquid. Qt. 60c., postpaid 72c.; 2 qts. 90c., postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

Lee's Germozone. The best tonic for poultry of all kinds. For roup, cholera, and other poultry diseases. 4 oz. bottle 40c., postpaid 45c.; 12 oz. bottle 75c., postpaid 85c.; 32 oz. bottle \$1.50, postpaid \$1.65; ½ gal. \$2.50; gal. \$4.50, not mailable.

Lee's Vapo Spray. For spraying around the roosting quarters at night in cases of roup, canker, bronchitis and pneumonia. Qt. 75c., postpaid 87c.; ½ gal. \$1.25, postpaid \$1.40; gal. \$2.00, postpaid \$2.22.

Leemulsion. For roup, colds, bronchitis and pneumonia. \$1.00, postpaid \$1.10.

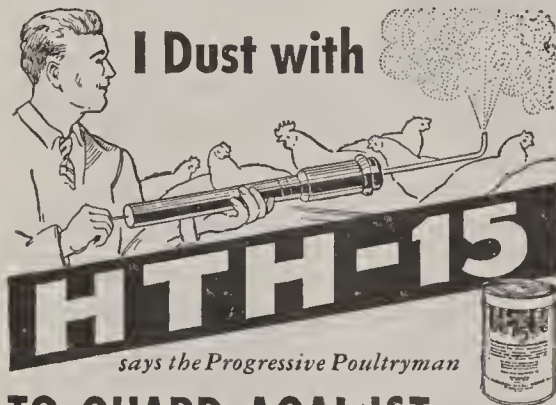
Lee's "Glizzard Worm Capsule." Expels worms without sickening the chicken or retarding egg production. Adult size, 50 capsules, 75c.; 100 capsules, \$1.25. Pullet size, 50 capsules, 50c.; 100 capsule size, \$1.00; 500 capsule size, \$4.50. Chick size, 50 capsules, 40c.; 100 capsule size, 75c. All postpaid.

WALKO REMEDIES

Walko Tablets. 50c. and \$1.00 pkgs., postpaid.

DR. HESS POULTRY PANAMIN

1½ lb. pkg. 25c., postpaid 31c.; 3 lbs. 45c., postpaid 55c.; 7 lbs. 85c., postpaid \$1.00; 15 lbs. \$2.00, postpaid \$2.22; 25 lbs. \$3.00, postpaid \$3.32.



TO GUARD AGAINST COLDS • ROUP • BRONCHITIS

"I fight colds and respiratory diseases by dusting with HTH-15. A dry, white powder, containing just the right balance of chlorine, HTH-15 is easy to use. I just dust over the birds on roost with an inexpensive dust gun—and get all benefits of the chlorine inhalant treatment without disadvantages of moisture."

A little HTH-15 in drinking water helps prevent spread of disease. Disinfect poultry houses and equipment by spraying regularly with HTH-15 solution. Economical—no waste—effective. Write for literature. Extensively used for Dairy Farm Sanitation in the dairy, on the animals, and in the barns.

1 lb. can 50c., postpaid 60c.
3 lb. can \$1.00, postpaid \$1.12
Suitable Duster for dusting HTH 15 \$1.00, postpaid \$1.10.

BLACK LEAF 40

Oz. bottle 35c., postpaid 40c.; 5 ozs. \$1.00, postpaid \$1.10; lb. size \$2.25, postpaid \$2.35; 2-lb. tin \$3.25, postpaid \$3.37; 5 lbs. \$5.85, postpaid \$6.00; 10-lb. tin \$10.60, postpaid \$10.75. 5-oz. size treats 65 to 70 running feet of roost, other sizes in proportion.

"BLACK LEAF" WORM POWDER

A Single Dose Flock Treatment

¼ lb. —Treats 100 birds.....\$0.75
1½ lbs.—Treats 600 birds.....2.90
3 lbs.—Treats 1200 birds.....5.60

"BLACK LEAF" WORM PELLETS
100 pellets 85c., postpaid 90c.

BURRELL DUGGER REMEDIES

SODIUM FLUORIDE (Talcumized)

Small size, ½ lb. 35c., postpaid 44c.; lb. 60c., postpaid 70c.; 5 lbs. \$2.50, postpaid \$2.65.

AVICOL

For Baby Chicks and Turkeys

50c. and \$1.00, postpaid.

DON SUNG

(Makes Hens Lay)

Tablets, 50c., \$1.00, \$5.00, postpaid.
Powdered Don Sung. 3 lbs. \$5.00, 10 lbs. \$10.00, 25 lbs. \$20.00, postpaid.

GROUP-OVER

Formerly called Roup-Over. 50c. and \$1.00, postpaid.

CONNECTICUT FORMULA

The Treatment for "Paralysis" and Enteritis

1 lb. is enough for 100 mature birds. Fed in the drinking water or mixed with mash. Full directions accompany each package.
15 oz. container.....Each \$0.75
5 lb. container.....Each 3.00

PICK REM

Absolutely stops cannibalism. Will stick on wet surfaces.

4 oz. jar 50c., 12 oz. jar \$1.00, both postpaid

SULPHUR CANDLES

For fumigating sick rooms, poultry houses, etc. Each 15c., postpaid 22c.; 2 for 25c., postpaid 33c.; doz. \$1.25, postpaid \$1.38.

DETHOL

Destroys all insects. A thorough disinfectant. ½ pt. 29c., pt. 49c., qt. 89c., gal. \$3.00.

SPRATT'S DOG MEDICINES

Price includes postage

Sulfur Tablets. For heated blood, etc. \$0.60
Nerve Sedative Tablets. For St. Vitus' Dance, etc. 60
Cough Tablets. 60
Constipation Tablets. A gentle and effective laxative. 60
Astringent Tablets. To relieve diarrhoea. 60
Special Tablets. Used in the treatment of distemper. 1.00
Ear Canker Ointment. For internal and external use. 75
Ointments. For certain forms of mange and eczema. 60
Purgative Tablets. Safe and effective. 60
Tonic and Condition Tablets. To build up. 60
Capsules. For large, round worms. 60
Capsules for Puppies. For ascarids and large round worms. 60
Tonic and Condition Tablets. Toy dogs and puppies. 60
Special Tablets. For toy dogs and puppies. 1.00
Dog Soap (White). Contains no carbolic acid or coal tar but is nicely perfumed and produces a fine lather. Per cake 25c., postpaid. 30
Diuretic Tablets. 60

SPRATT'S BIRD FOODS

Sing-Song. A song restorer in cake form 10c., postpaid 15c.
Egg, Fruit and Seed Canary Mixture. 25c., postpaid 30c.
Cod Liver Oil Cage Bird and Nestling Food. 15c., postpaid 20c.

BURNETT'S BIRD FOODS

Lightning Regulator. 25c., postpaid 32c.
Unexcelled Bird Food. 25c., postpaid 32c.
Nestling Food. 20c., postpaid 25c.
Bird Nesting. 10c., postpaid 15c.
Bird Nests. 10c., postpaid 15c.
Natural Fish Food. 10c., postpaid 12c.
Wafer Fish Food. 10c., postpaid 12c.
Bird Balm. 10c., postpaid 12c.
Bird Salve. 10c., postpaid 12c.
Louse Powder. 15c., postpaid 20c.
Bird Wash. 20c., postpaid 25c.
Catnip Mouse. Make kitty happy. 10c. postpaid.

SERGEANT'S DOG REMEDIES

Nerve Sedative. \$1.20, postpaid \$1.28.
Special Medicine. \$1.20, postpaid \$1.28.
Diuretic Pills. 60c. postpaid.
Mange Medicine. 65c., postpaid 75c.
Condition Pills. 60c. postpaid.
Sure Shot Capsules. 60c. postpaid.
Puppy Capsules. 60c., postpaid 70c.
Sure Shot Liquid. 60c., postpaid 70c.
Arsenic and Iron Pills. 60c. postpaid.
Canker Wash. 60c., postpaid 70c.
Cough Medicine. 60c., postpaid 70c.
Well Mouth (Sore Mouth and Black Tongue). 60c., postpaid 70c.
Eye Wash. 60c., postpaid 70c.
Tape Worm Medicine. 60c. postpaid.
Rheumatism Pills. For muscular soreness. 60c. postpaid.
Constipation Capsules. 60c. postpaid.
Skip-Flea Soap. 25c. postpaid.
Carbolic-Tar Soap. 25c. postpaid.



▼
DUST ONE-RUB

on just one spot—fleas gone in 36 hours!

One-Rub is not a poison and is harmless to human beings, domestic animals and poultry, but is too strong for use on canaries, as they sleep with head under wing.

It is not necessary to dust the animal all over, just put on one spot, preferably on top of shoulders. It is safe, easy and sure. 25c., postpaid 28c.; and 50c., postpaid 54c.

DRI-BATH

Dry Cleaner and Insecticide For Dogs and Cats

Effectively destroys fleas and dog odors. Quick and easy to apply. Price 25c., postpaid 30c.; 8 oz. size 50c., postpaid 60c.

BEE BRAND DOG SHAMPOO

Lathers, cleans. For fleas and lice on dogs, cats and other pets. Head lice and crab lice on humans. Non-poisonous when used as directed. 30c., postpaid 38c.

FLEISCHMANN'S Irradiated Dry YEAST FOR DOGS

Gives the coat a beautiful gloss, helps clear up skin disorders, stops itching, builds stronger bones in puppies, prevents rickets. Simply add a teaspoonful to your dog's daily diet.



Four Sizes:

3½ oz. can.....25c.
8 oz. can.....50c.
1 lb. can.....85c.
5 lb. can.....\$3.50
All postpaid

SPRATT'S PATENT DOG FOODS**MEAT FIBRINE DOG CAKES***A Staple Food for All Breeds*

The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing copious flow of saliva which materially aids digestion. Lb. 15c., 5 lbs. 65c., 10 lbs. \$1.25, 25 lbs. \$3.25, 100 lbs. \$11.50. Postage extra.

SPIX

A medium size dog cake for all breeds. Prices same as above.

OVALS*The Pocket Dog Biscuit*

A small, meat-fibrine dog biscuit of superior quality. Appreciated by small, medium and large breeds. A few of these diminutive dog cakes can be carried in the pocket when on a ramble with the dog. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.25, 100 lbs. \$12.00. Postage extra.

CHARCOAL BISCUITS (Oval Size)

These biscuits are quite easily edible. The charcoal absorbs impure gases in stomach and intestines and acts as a corrective of internal ailments, fetid breath, etc. A few charcoal biscuits given regularly each week will be found an excellent safeguard against canine ills. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.25, 100 lbs. \$12.00. Postage extra.

FIBO

The standard kibbled food for years for all breeds. Lb. 15c., 10 lbs. \$1.40, 25 lbs. \$3.25, 100 lbs. \$12.50.

ALL TERRIER MEAL*For Very Active Dogs*

A highly nutritious, tissue building, muscle forming, bone making and conditioning food. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.15, 25 lbs. \$2.50, 100 lbs. \$9.00. Postage extra.

D & G DOG FOODS

Contain beef, to give the equivalent of a two-thirds meat diet; milk, malt, for digestion and assimilation; molasses, for coat; bonemeal and calcium carbonate, for bone structure; cod liver oil and Alfalfa leaf meal, for vitamins and to improve coat; iodized salt; wheat flour; whole wheat, for proper cereal content. Three sizes: Cakes—Kibbled and Puppy Meal. Lb. 15c., 2 lbs. 25c., 5 lbs. 55c., 10 lbs. \$1.00, 25 lbs. \$2.25, 100 lbs. \$7.50. Postage extra.

D & G MIGHTY GOOD

A cooked meal. Contains meat, milk, linseed meal, soy bean meal, bran, yeast, cod liver oil, lime, whole wheat, kiln dried bread crumbs, molasses, bonemeal, alfalfa leaf meal, salt, malt and Tomato pulp. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.60, 50 lbs. \$3.00, 100 lbs. \$5.50. Postage extra.

DOG FEEDERS

Unupsettable dog feeders made of heavy, galvanized ware, 8 inches in diameter. 75c. each, postpaid 85c. **Earthen Ware**, glazed 7 in. in diameter, 30c., postpaid 45c. Unupsettable, 40c., postpaid 55c.

SERGEANT'S DISINFECTANT

An antiseptic germicide, insecticide and deodorant—stronger, safer and cleaner than carbolic acid. 12-oz. bottle 50c., postpaid 60c.

CHAPPEL BROS. DOG AND CAT FOODS**KEN-L-RATION**

Is composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil in exactly the right proportions to make a perfect balanced ration. Lb. can 10c., postpaid 20c.; case of 24 cans \$2.00, postpaid \$2.35; case of 48 cans \$4.00, postpaid \$4.57.

KIT-E-RATION

The ingredients in this cat food contain properties so very essential for the growth and development of the cat or kitten. Lb. can 15c., postpaid 25c.; case (48 cans) \$4.75, postpaid \$5.31.

KEN-L-BISKIT*The Golden Cakes of Energy*

Ken-L-Biskits—small, square biscuits—can be fed to dogs of all kinds and all ages. Ken-L-Biskits, like Ken-L-Ration, contain all the nutritive elements so vital to growth, strength and ability to resist disease. Good for puppies. Good for grown dogs. Good for old dogs. Lb. 15c., postpaid 25c.; 2 lbs. 25c., postpaid 35c.; 5 lbs. 55c., postpaid 70c.; 10 lbs. \$1.00, postpaid \$1.20; 25 lbs. \$2.25, postpaid \$2.56; 50 lbs. \$4.25, postpaid \$4.83; 100 lbs. \$8.25, not postpaid.

This biscuit in kibbled form, same price.

KEN-L-WORTH (Kibbled)

Contains large percentage of fresh lean raw meat and is a splendid food for economical feeders. Lb. 15c., postpaid 25c.; 2 lbs. 25c., postpaid 35c.; 5 lbs. 55c., postpaid 68c.; 25 lbs. \$2.00, postpaid \$2.34; 50 lbs. \$3.75, postpaid \$4.35; 100 lbs. \$7.50, f.o.b. Baltimore, Md.

PRATTS KIBBIES

A tasty, nourishing complete food when fed dry or with an equal volume of water, can also be fed with anything else you may wish to give—table scraps, stews, soups, meat, vegetables, milk, gravies, etc., and yet you will always be certain that each day your dog eats the required amount of essentials needed for the best health and condition.

The number of different menus or meals that can be worked out—using Pratts Kibbies as the base diet—are practically unlimited. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.60, 50 lbs. \$3.00, 100 lbs. \$5.50, postage extra.

How Much to Feed your Dog

A general rule, which is often quoted, is to allow about half an ounce to every pound weight of the dog. However, this applies to meat and foods containing a very heavy percentage of moisture.

Age, weight and condition of the dog must be considered and generally speaking the dog's appetite should prove a fair guide. Do not overfeed; see that each meal is eaten up clean. The following table shows approximate daily quantities sufficient for a grown dog.

Pekingese, etc.....From 2 to 3 ozs.
Bostons, etc.....From 4 to 6 ozs.
Airedales, etc.....From 10 to 16 ozs.
Shepherds, etc.....From 1 to 1½ lbs.
Great Danes, etc.....From 1½ to 2 lbs.

FRAMINGHAM Cedar Bedding

Preferred by many dog owners. 1 lb. 30c., postpaid 40c.; 10 lbs. \$1.25, postpaid \$1.43; 25 lbs. \$2.25, postpaid \$2.50; 50 lbs. \$3.75, 100 lbs. \$6.50.

Common Sense Exterminator KILLS RATS



*Why feed rats
when a 25c can of
"Common Sense"
will clean them
out?*

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it.

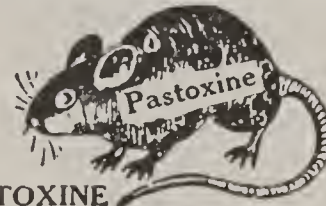
Get a can NOW and if you do not find it entirely satisfactory, we will refund your money.

Also ask us about the **ROACH** preparation
Postpaid 30c.

K-R-O (Kills Rats Only)

Will not injure human beings, livestock, dogs, cats, poultry, yet is deadly to rats and mice every time. Made of powdered squill as recommended by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control."

Pkg. sufficient to kill 200 or more rats, 75c. postpaid.

PASTEUR LABORATORIES**PASTOXINE****Non-Poisonous Concentrated**

Positively no danger to man, domestic animals and poultry. It is non-poisonous as well as repulsive to them.

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